

agctgaagaa gaagaagcac ctcaagatcc tggccctggc tgaacacatt gtttgaggtg 360
tgtegcataa ccaagtgttt gtgggaatgt ttttttttgt gtgttctc 408

<210> 20768
<211> 189
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-048-Q1-K1-E2

<400> 20768

gngctcaacg angcgcacaa gaccaaggac aacgcagaga agannngcaa gaggcaggnc 60
aggancaggc cgncagccaa gggcagcagc aagagccgga cgggcaagca gcgccanggc 120
nacagaggag agagcgagga cgnnngangac caccgancgg gcaagaagga gggcgaaccc 180
aacgggagg 189

<210> 20769
<211> 363
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-048-Q1-K1-E3

<400> 20769

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gttcatgcaa attctcatac tcataactga aaagaatcga ttgaaaacga gcataaacct 120
gtccctcact cctatcctga accagtataa tttaacttgc ttcgagtggc agcattataa 180
atctctgcat gacctatgtg gtcagttctg cattattatt tgtccatttg agatccacca 240
gtgtatatta tcagatcagt ggagtatttg ttttcataat gcaggggtta tggtgccact 300
tacgtggtcg atcagaatga aaaatgctg cggtgctgcg aatggacttg cttttctgca 360
tga 363

<210> 20770
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-E5

<400> 20770

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gggaccctag catagccact gccttcccgc acgctaggaa ggggaagata tgggcgccga 120
ggaggacgcc gctgcacgcc gcgagcgtct ccgcgccctc cgtgccgtca aggacctcct 180
ctccaccgcg gacggcgccc caacccttc caccgacgga gaacaccaaa atggcaacca 240
tgagatggca gaagagccag aattaccagt ttctcaggat gcacctggtg aggctggtaa 300
agaggatggt agccccactg 320

<210> 20771

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-E9

<400> 20771

cagcagatac gcttatcagc gatcgtatac acgatgccca gtctttagca gcctgggacg 60
tggcaatagc catgcgaact cagtcaaaag agaacgctgc ctctgatgca gcttcagttg 120
ttctactagg caacagactt tctcaggtgg tagatgcgct atccctgtct aaggcaacga 180
tggcaaaagt tcacaaaat ttggcctggg cagtggcata taacat 226

<210> 20772

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-F1

<400> 20772

cgccggcggt gagatgttgg tttatcagga tctcctatct ggcgacgagc tcctgtcggg 60
tgcattcacc tacaaggagc tcgagaacgg cgtcctgtgg gaggtcgagg gaaagtgggt 120
cacccaaggt cctgttgatg tggacattgg tgccaatcca tccgccgagg gtggtgagga 180
cgaaagcggt gatgacacag ctgtgaaggt ggttgatatt gttgacacat tccgtctaca 240
ggagcaacct ccttttgaca agaaatcatt tgtgtcttac atcaaaaaat acatcaagaa 300

tctcactgct gtgttggagc cagagaaagc ggatgagttc aaaaagggtg tccaggggtg 360
ccaccaagtt tct 373

<210> 20773
<211> 103
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-048-Q1-K1-F10

<400> 20773

cggactcgtg ggtgcgacat gaatgatgga tctttttaac atcctaacca tcatgggtant 60
cgctcattat cgtattttgt atagtattta tgggttcacg gat 103

<210> 20774
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-F11

<400> 20774

gctggttcca gctcaagtag ttctctgcaa atatcagaac cagaaccca acaaatccaa 60
gaagaagagg agtactatat ggaggatgat tgtgatgatg attttgatgg ctacgacgaa 120
gatgattatg acttcgatga agctgacttt aaccagcacc ttgctgataa atttgatgat 180
ttggatcttc ctccaggcgt ggaggccacc gtaccttggg tgcagaaaac tacaccaag 240
gaagatgtca aagagccacc taaatcaaact actgcagatg agaatgcaaa taaatatagc 300
cagttcaagc agtttgatac tgttcagaat ttctctgacc attactacgc taagaattct 360
catggagagc caaacagagc cttgtcaaag agagttcaac atgactggaa acttctggag 420
aaggatctac cagcgatat tttt 444

<210> 20775
<211> 189
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-048-Q1-K1-F12

<400> 20775

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gcgtccaaag caaacagatc actgtacctg gttatatcc tttgaggaa accctttgac 120
cagtgaagtg ggaatatctt ctccagcttt atatgatgga ttggttgaga tcaaacaacc 180
caatgacat 189

<210> 20776

<211> 311

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-F6

<400> 20776

gcgagcttgc aaatactgca cgaacaccgt cttccggcca gccgcgatgc cctgcgactc 60
acgggacgtc cagccggtca agtcccaggc ctgcataggc cgcaccctga agaacggaag 120
tgtagtgcga cactgtcttg atctcttctg ctaatcaagg tctcctgcat cggtgacatg 180
ctgatgacat ataccagcac ggtcaaacga cgggtaaacc ttttgactcc agatagtaat 240
tgggggaata gcttacctcc actgtgtttc ctggcgcacc atggtgtaac ggagttccta 300
gagcgcgact a 311

<210> 20777

<211> 203

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-048-Q1-K1-F7

<400> 20777

ccaccagang ccgcanatcc nccgccacca ccaggcccng gagncnacag nccngcaccc 60
ccngcaccag ggcaagcggc cccaccaccg aaggggaggc aaganccacc accaccacca 120
ccccagcag cgccaagccc gccaccaggc acngcaccag caagngangg agcacagaac 180
gagccaccgg gaggaacacc acc 203

<210> 20778

<211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-048-Q1-K1-C8

 <400> 20778

 ggtaagcagc agcaggaacc ctagcaccgc cgcacccgca gccatgggta tcgacctcgg 60
 ggccggtggg aggaacaaga agaccaagcg cacagcgccg aagtccgacg atgtttatct 120
 caagctcctt gtcaagctct accgtttctt ggtcaggagg accaagagca acttcaatgc 180
 tgtcattctc aagaggctct tcatgagcaa aaccaatcgc ccaccaatct ccatgcgccg 240
 acttgtcaag ttcattggaag gaaaggagaa gaacatggct gtgattgttg gcacagtcac 300
 agatgacagg aggatccaag aggttccagc aatgaag 337

<210> 20779
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-048-Q1-K1-F8

 <400> 20779

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 ggtctccgac aagatctgga acaacggggc catcagcttc cagctgcagt ggttccagca 120
 ggtcacctcc gccgtgtgcg gccaggactg caagagctac ctggccaact cgctgttcgt 180
 gttcggcgag ttcgggggca acgactacaa cgccatgctg ttcgggaact acaacgcgga 240
 ccaggccagc acgtacacgc cgcagatcgt gagcgccatc gcggccggcg tggagaagct 300
 gctggccatg ggcgccacgg acgtggtggt gccgggggtg c 341

<210> 20780
 <211> 187
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-048-Q1-K1-F9

 <400> 20780

 cggtctcgaa ttccctgtcg acgcacacgt cactccccga tcagcacctg atcgctcact 60

gttccaactc gatcatccca cacatgcgcg aacgttagcc tctaccgcta gctaggagct 120
 acccaatcgg tcccgtaccc atcaccact tcattctcac ccatctccac tagtacgggt 180
 cattctc 187

<210> 20781
 <211> 201
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-048-Q1-K1-G2

<400> 20781

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 caacgggtgg cagtggctga aggatttgag acattcaggg atagatatgt caagagnaca 120
 taaacatact cgaaatcact agatacgtta ctgncattcg tgattaagcg ctcacaaaat 180
 ctagctgaat gcacgtgtaa a 201

<210> 20782
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-A4

<400> 20782

aaaaccgttc cctcccgatg gcaaccgccg ccaccgccat ggtggtaccc gagcagccac 60
 gccgccggaa gccggccccg gggcgcgagg gagtggccct ccctgcggtt ctctcggagg 120
 aggaggccag ggtgcggggc atcgccgaga ttgtctcggc gatgggggag ctctcgcggc 180
 gcggggagga cgtggacctc aacgcgctca agtcgccgcg gtgccggaga tacggtctgg 240
 cgcgagcgcc caagctggtg gagatgatcg ctgccgtgcc cgaagccgga ccggccgcgc 300
 tgctgccgcg gttgcgcgct aagcccgtgc gcacggcatc gggatatgcc g 351

<210> 20783
 <211> 257
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-048-Q1-K1-A5

<400> 20783

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agcaggcgaa gcaccggctc ccatggccgt ggacctgatg ggctgctacg ccccgcgccg 120
cgccaacgac cagctcgccg ccgcccggcg ctctgtcgt ccacgggtccg cccgtcagcg 180
tggcgagcc gccgcaaagc ctgacgctgg atttcacgaa gccgaacctg gccgtgtcgg 240
ccgtcacgtc cgtcacc 257

<210> 20784

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-A6

<400> 20784

ggaagaaata cggagaaggg ctggtgctga tgataagcca ttaagaatgg tcaaaaccgt 60
gttgcataaa cttgtgaagc ttcggggaac ggcaataaag ggtcaccttt cgatgggtcc 120
tatagatgct gaacctcagc caataattct agcatacatt gatcttaatc tccagaccct 180
tgctgctgct agaattgtga cgccatcggg acctatgggt caaactcact ggggtgatgc 240
tgcttcaaac aatccaaatc catctactca ctgagcagac gcgcaattga agcagaagct 300
tgctgctgct ttcaagaaaa tcgagacagg ca 332

<210> 20785

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-A7

<400> 20785

gagctgggga gactaccga cctagaccaa aagaccgaca actgatacaa gatcgcgcta 60
gagaattacg agagattgtc cctaattgtg caaagtgcag cattgatgct ttgttgagc 120
gaacaattaa gcacatgctg tttctacaaa gtgtaaaaa atatgcatag aaaattaagc 180
aagctgatga accaaagata atcgacaaa ggagcgggtg tatcttgaaa gacaaccag 240

ttgctggcac aaatggtggt gcctcgttgg cctacgaggt tgctggccaa actatggttt 300
 gcccaataat cattgaggat ctttcaccac ctggtcagat gcttggtgag atgctttgcg 360
 aggaactagg gctttttctg gagatagctg acaacatacg tggaaattgt c 411

<210> 20786
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-A8

<400> 20786

cacacagcgg cggcgatgtc gtcggcctcc tccttcggcg ccgccgcaa cgccggtgaa 60
 ggaagcgggtg ctgcggagga gggcgtggag atcacttacg tgagctatgg cggggagcag 120
 catctgccgc tggatgatgtc gctggtggac gaggagctca gcgagcccta ttccatcttc 180
 acctaccgct acttcgtcta cctctggccg cagctcacct tcctggcgtt cgatgccagg 240
 gatggcaagt gcgtggggac agtcgtgtgc aagatggggg atcatatggg tgcattcagg 300
 ggctacatcg gcatgctcgt cgtcctcaag ccctaccgag ggaggggaat agcagctgag 360
 gctagtaact agatcaattc gggcaatgga tggaatct 398

<210> 20787
 <211> 319
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-048-Q1-K1-A9

<400> 20787

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 cacacgccga gctatttcta ctttgagaga atccccttct ccacaaagga gcgagtaatt 120
 tgaggcagag accgacagag atggcagcgg ttatggtgtc tcgccaaggc cgggagctgc 180
 agcggtacag cgcgagcacg ggcggtcgcy tgggtggggg ctgcgtcccg taccgctgc 240
 gcggaggcga cggcgagggtg gaggtcctgg tgatcagctc gcagaagaag ggccccgcgg 300
 ngggcgtgct gatcccca 319

<210> 20788
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-B1

<400> 20788

aagagggcgg gtttgaagag atcaagagag caatcctgaa cttttctctg cgccatgatc 60
tgcatattag tgcatacggg gaaggaaatg aaagaagact gactgggaaa catgagactg 120
cgagcatcgg aacgttctca tgggggtgtgg caaaccgcgg ctgctctatc cgtgtggggc 180
gagataccga ggcaaaaggg aaaggttacc tggaagaccg tcggccggca tcaaactggg 240
accggtacat tgtgacgggg ctactggccg agaccacgat cctctggcag ccatcccttg 300
aggcgggaagc tcttgccgcc aagaagctgg cgctgaaagt gtg 343

<210> 20789
<211> 264
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-B10

<400> 20789

aattaccagt tcttaaggga gaaacaaatg ttggaacatg gaagtgcatt tgttggtcac 60
gagaaatttg gtcgtcttgt catcaaaaca ccagaattgc attattgcac gctagctact 120
catttctttg gtaattatgt gcgtgcttgg tgtttatgta cagttttatg tgcttgataa 180
tgggcacatg gccagttcga caatgtcata cagttatact acactagtag attgcttatg 240
cttgtgagag aacataatta agtt 264

<210> 20790
<211> 227
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-048-Q1-K1-B11

<400> 20790

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cacagccaac ctggaaccta caccaacacc tctgcatcca cgtcctgccg cgccacctca 120
tctccggggcg ctttccacct tggcccccggt caagtcagag gctcctccca cccctcgtc 180
ttctaccgcc atcaccgccg caccgggagc ggaggatcca ttctaca 227

<210> 20791
<211> 229
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-B12

<400> 20791

aaatttcaac gtgttatgag caaaacacca gaattgccat tttgcacgct aactactcat 60
ttcttttgcta attatgctct tacttgaaaa ttatctacat ttatatgtcc acgataatat 120
tcacatggac ctttcaaaca tgtcatacag ttatactaca ctcatacatt gattatactt 180
gtgatataac ataattaagt taaaatgacc attactaaaa tgcgtccaa 229

<210> 20792
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-B3

<400> 20792

cggacgcgtg ggcggacgcg tgggtttcaa ttgaatcgag atgggtttatc ttttttgttt 60
gagagatagt tagtgaaaat attgcacttt ttcttgatct ctggcacaat tctctcgtga 120
ttttccaggc atatatctgt acaaggagta gaagcttaca caaaaatta gtattcatct 180
aaggatctaa tttcattttt aagtttacag aacaaaaaaa tgtggtacat atggattcac 240
taaaaatgga cttgttgac aatatgtatc ttattacttt aataagcttt tgcattattgc 300
tcttgtaact tgagcattct atcccatgta ggaacta 337

<210> 20793
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-B4

<400> 20793

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gcttcaagct caaggaaaat atcctggaga aacaagagtg agcttttctt gcaagaataa 120
gcgtggcaca aggtttactc ctatgtttca atggcctgac aagtctgttt cgtaggagt 180
tactcaagcc ttggcatgga aaagatctgg tcttatgggtg agaccagta tacaagtcag 240
tgtgtgccct acgtttggag gaagtgatcc tggggtacgg gcagaagttg tccattcatt 300
gaaagaggaa ttgaatctga tgtggggcct ctcttgctcg cggcatccat cagcttatac 360
tgctctatct atttgacgat caaagtggaa c 391

<210> 20794

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-B5

<400> 20794

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tgaccatatc cagcattgat ggaaaaataa tacgttatgc taggccagat cacccaacta 120
gaaaaggag tgatgcatct gccgagtctg gatctgaagt ggaagatgta acatctccta 180
ctgcatcaag gaacctgatt acacatccta ttttgacccc tgttcacgaa gagtcaaaat 240
tgtcgccaca tggttccaca tttggtgatc atgcttctat tgaagaaaac attcctgttg 300
tagacaaggt tgtggatgat ggatggggta ctcccagagg tagtcttcaa gcttcttcag 360
gttctgtgcc cttgagaaac acgcacggca cattcgaagg actgagagtt caagctgtcg 420
catggc 426

<210> 20795

<211> 248

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-B6

<400> 20795

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cttcggcgcg atggtggcca tcgacgaccc gctgacgaca ggccccacgc gcgcgcggg 120
 caccgaggtg ggccgcgccc agggcaccta cacgtttgcg gtccagcaga cgttcggcct 180
 cctcatgggg atggacttcg tgttcacggc cggggagcac aaggtcagca cgctctccat 240
 cctcggcc 248

<210> 20796
 <211> 321
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-048-Q1-K1-B9

<400> 20796

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 aaggctcctgg gaaacgtgat ttaatagtggt ggctgcagta caatgtgtaa acaggtatcc 120
 tcgaactaaa gtcggcatta cagtggaccg gaataatacg aagggtgact cagagccgaa 180
 ggtgcgagca ggaaagcttc tgcgcgacag caaagagtgg aaccgactta tagatgaaaa 240
 ggctattcag acctcaatag actactatag agntattatc aaatgtaaag ggcatgaatg 300
 taattttgta aggctgtgtc c 321

<210> 20797
 <211> 263
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-C1

<400> 20797

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 gtgggctggt cggtagggcg gcggagctgc tgggcctcgg ccgcgggaag acgtcgctgc 120
 cggtgcaggc gtacgacaag tacggcggcg tgttcgcgta ctgcctaccg gcgacgtcgg 180
 ccgggacgga gttcctggac ctggggcccg gcgcgcggc ggcgaacgcg cgcctgacgc 240
 cgatgctggt ggacaggggc ccg 263

<210> 20798
 <211> 344

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-C12

<400> 20798

gtcgtctcgt cgggtgccct tgctgctgct gtgcctgggc gtgctggtgt cctgctcctt 60
cgcggcgggc agcttggacc aggagctgga catcacgtgg ggcgacgggc ggggcaaggt 120
ccttgacaac gggcggctgc tgacgctgtc gctggaccgc acgtccgggt cggggttcca 180
gtcccggcac gagtacctgt tcggcaagat cgacatgcag ctgcggctgg tgccgggcaa 240
ctccgccggc accgtcaccg cctactacct gtgctcgag ggcggcgcgc acgacgagat 300
cgacttcgag ttcttgggca acgtgtccgg cgagccctac acgc 344

<210> 20799
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-A3

<400> 20799

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gctgttttcg cagcaattgt ttttttgtct tgggtggtata cttgttctcg tgttgctctg 120
agtgtgtctt ggtggtagag tattgtcatc aggaagagtt gttaagatgt ggcaattcat 180
agggatacca tactaccata ccgatagcca gctacagcga tctggatgtg gttgtttgtt 240
ggactcatag aacagatact gttggtgtgt tatatgtgca ttgatgctgc tacgatgata 300
aagaaattcc ttcttttatt at 322

<210> 20800
<211> 250
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-C5

<400> 20800

ggtgcagcaa cgggacctga tgggtatggt caacaggggt acccacagca ggggtggccag 60
ggtccagctt catatgggca gagtgcacca gcagctccag gatatactca gcaaggcacg 120

catcaagggtg gctatgcaca gtacccgcag acccaaccag catatggtga tcaagcagct 180
 caagccaatg cgaactatgg gtaccagga gctccagcat atcctaacta cagaagtgcg 240
 taccacagc 250

<210> 20801
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-C7

<400> 20801

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 tccctgttga tgctgtcttc cagaaggatg agatgattga catcattggt gtgaccaagg 180
 ggaaagggtta tgagggtgtg gtcactcgtt ggggtgtcac ccggcttccc cgcaagaccc 240
 acaggggtct ccgcaaagtt gcttggatcg gtgcatggca tccggctagg gtctcctata 300
 cggttgcccc tgctggtcaa aatgggtacc accaccgtac tgagatgaac aagaaggttt 360
 acaagatcgg gcaggctgga caag 384

<210> 20802
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G11

<400> 20802

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 gacctctaag gattttgata ttgccatcga gacctaccag aaggctctaa ctgagcatcg 180
 gaaccagac actcttaaaa agttgaatga ggctgagaga gcgaaaaaag agttggagca 240
 acaagagtac tatgatccaa aattagcaga tgaggagaga gagaaaggca acgagttctt 300
 caaggagcaa aaatacccag aagcaattaa aactacacg gaagctctca agagaaaccc 360
 aaaggatcct aaggtttaca gc 382

<210> 20803
<211> 299
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-047-Q1-K1-G12

<400> 20803

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ggaggtgcac gtcgggcacg agctgtgcga gcgcaagtcg cgcgagttca tgggtggagct 120
gggcctcccc gacgggctcc tcccgtgcc cagcctggac gaggtgggct acaaccggtc 180
gacgggggtc gtgtggctgc ggcaggccgn cggcctgacc cacaccttcg ggtccatcgg 240
caagcaagtg tggtagaca gggaggtgac ggcgttcgtg gagccggggc ggatgcacg 299

<210> 20804
<211> 282
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G2

<400> 20804

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cgggcaccct gatgcagcgg cagatcgggg cggcgccctt tgctcgtgcg tccgccgtcg 120
cgaactcgct gcaggcggtc ggcgtcaccg ggcccgagg atcaggctcc tgcagactgc 180
agcaggcgctg acccggaagc tcgcgggtgc gctgcactgg cgctctcgtt ggcgagcgcg 240
gaggacgcca aagctgccta cacagatcaa gcaaactgac at 282

<210> 20805
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G4

<400> 20805

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cattgacgcg caatccggat cttgctcatg tcctcaatga tccaagcatt atgcgccaga 120
 cttttgaagc agttcggaa cctgaactca tgagggagat gatgcggaac acagacagag 180
 ccatgagcaa catcgagtct tctccagaag gattcaacat gtcctgctgc atgtatgaaa 240
 ctgtccaaga gccttttctg aatgcaacaa caatgggtag cgaggggtgat cgaaattcga 300
 atccattctc tgctcttcta ggaaatcagg ggtctaacca agcaagagac tcagctgcaa 360
 atggaacaac tagagcttca gacccca 389

<210> 20806
 <211> 313
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G5

<400> 20806
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 tgtagatggc gtcggaggcc aaggacgtgg gcctcctgc catggacatc tacttccgc 120
 ccaactgctg gctccaggaa gagttgaaa cacatgatgg cgtgagcaaa gggaagtata 180
 ccattgggct tgggcaggaa agtatggcat ttgactga agttgaggat gttatttcga 240
 tgagcttgac agtgggtgaag tcccttctga aaaactataa cattgacca aagtgcattg 300
 gacgtttgga agt 313

<210> 20807
 <211> 414
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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 ggccgagctc aagaggacgg cgctctacga cttccacgtc gccacggcg gcaagatggt 120
 gccgttcgcc ggctggagca tgcccatcca gtacaggagc tccatcatgg actccacgt 180
 caactgccgc gccaacggca gcctcttcga cgtcgccac atgtgcggcc tcagcctcaa 240
 gggccgcggg gccatccct tctcgagtc cctcgctgc gccgacgtcg ccgcgctcag 300

ggacggcacc ggcaccctca cegtcttcac caacgagcag ggcggcgcca tcgacgactc 360
 cgctatcgnc aaggtcaccg accaccacat ctacctcgtc gtcaacgccg gatg 414

<210> 20808
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G7

<400> 20808

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 gcggcgccgg tcctggcagc ggcgctgctg ctgctggcgg cgggggccgg gacggcgctcg 180
 gcggcggtga gctgcggcga ggtgacgtcg tcggtggcgc cgtgcctcgg gtacgcgatg 240
 ggcagcgccg cgtcgccctc cgccgctgct tgcagcgggg tgcgctcgtc caacagccgc 300
 gcgtcgtcgg cgccggaccg gcagggccacc tgcaactgcc tcaagagcat gacggcccgc 360
 ttccggcgccg gcgtcagcat ggccaacgcc gccaacatcc 400

<210> 20809
 <211> 238
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G8

<400> 20809

ctcagctgcg ggcgctggca gcggcgaaac aactgaaaca gtgaaggagg atgatcataa 60
 gcttgatggc aagaagaaga agaaaaacaa gaagcagggg aaggatgatg atgtcgaagc 120
 taggctggaa aaggcagaat tagcaatact taacaagttt gaggcagcag aaaagctcaa 180
 tggaagagag gtagaaccaa aaagtcagaa tgacagtgtc gatgactgca gtgggtgct 238

<210> 20810
 <211> 310
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G9

<400> 20810

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gaggccgaga ccgacaatcg gatccggcga caaggcgaga gggaagagat tgggctcacg 120
ttcaccaagc tggtcaggct ggtgctcgcc aagaagggga tgcggtacct gatggtggga 180
ctcgacgccg acggagagac taccatctc tacaagctga agctcggcga gatcgtcacc 240
atcatcttga ccatcggatt caatgttgaa actgtggagt acaagaacat tatcttcact 300
gtctgggatg 310

<210> 20811

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-H10

<400> 20811

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ccatccttgt ggcgactgat gttgcggctc gtggtcttga cataccacat gttgccccatg 120
tgattaattt tgacctccct aatgatatag atgactatgt tcatcggatt ggaaggactg 180
gacgtgctgg gaaatctggt cttgcgactg cattcttcaa cgagagcaac actacgcttg 240
caaggccgtt gagtgatctc atgaaagagg ccaaccagga gggtcctaag tggcttgagg 300
gatacgctgc ccgatcagcc tacggaagtg gaggtggtag aaaccgcaga caaggtagca 360
gtgccag 367

<210> 20812

<211> 170

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-H11

<400> 20812

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aagtggggtg gcagtggcta tggaggtggc ggtgggtacg gaagctaccg cggctgtgga 120
cgaagaggtg gtggatggta tagcggttac aactattgcc tgggggaaat 170

<210> 20813
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-H12

<400> 20813

cgtccggcga gcacagctgc cgcagcgggc cagctcacct gagaagacag tacgcacacg 60
 cggcatcgtc tgcattctccg gtggccatcc atctctctcc cttctctcgt cgttccctcc 120
 actcctaggg ggaagcggcc ggcgcagagt ggagatcgac ccggactttg aaattgcctc 180
 ttccttttga tgggtaccat gaagagggtg gtttcgaccg ccctcgccgc gagagggctc 240
 ctgagatctc acggactgcc gaccacaact tctgttatgt accaaccagc attccagcaa 300
 tttatgaact attcatcacc acatggtggt gatcccaatg caaacacgaa ctcaactaca 360
 acacgaatag ctgctgatcc tgatacaca 389

<210> 20814
 <211> 419
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-H2

<400> 20814

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 ctaaagagct gcctcctgga agtgcagcca ttgctcttac ccctggngtc gtgaatactg 120
 acatgctaac ttaatccttg gaaagtccac cagcgttata tcaaacaact gaaacatggg 180
 cacccaaggc agctacaatg atactaagcc tttcactgga cgataacggt gcctccttga 240
 ctgtatgaag tgggtgaaatt ttgtgctcga ctgattactg atgggggggtc tgtatatttt 300
 tgcgagatta tgggtgatgta aaatagtagt tataatgtgt gtgcactctg atgtccctag 360
 ctgctgcctg aacgttattg tttagcctta cctctatggc ctatgcacat gctcttctt 419

<210> 20815
 <211> 397
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-H3

<400> 20815

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cgggcaacat ccagaacaag caccggcaga ttggcaatgc cgtgcccccg cctcttgccct 120
atgcacttgg gaggaagctg aaggaagccg ttgacaagcg tcaggaagcc agcgcaggcg 180
tgctgcacc atgagaagtt ttccttccat caaacatga cccatgaagc taagcgctga 240
ggtcgtcctt gaggaccagt taattttggt tttatcagtc ttaatgcaact cctgaatgta 300
tatgttagag aagtgtcgat tgctgattgg ttaccctgat tcaggtaacg gttatatcta 360
aaaacttgag gaaatctagt gtactctagt tgtcatg 397

<210> 20816

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-H5

<400> 20816

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agtatgggag caactgattt gtggcatca gggttggaca gttttaaat accacacacc 120
ttgttgaaca gtgtatactg tatagcgggt tccctctcaa gcagccattt caaaacttga 180
ataaggataa ggtactcgtc gtaactgtat cgctatcttt atctttataa gagatacttg 240
gatatgcacc aaaatgcatg tacataacat accacatatg acagtaaata atgcatg 297

<210> 20817

<211> 335

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-H6

<400> 20817

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gagaggaatc gcaaagaggg ccgtctcatc cgagttaagg aagccatgga gcacaaggag 120

gctgggtgcc aggccccga gggacccatc ctctgcatca ataactgtgg cttcttcggc 180
 agcgcggcga ccatgaacat gtgctctaag tgccacaagg agatgataac gaagcaggat 240
 caggccaagc tggctgcctn ctctatcgac agcatcgtga acggcagcga cgccgtcatg 300
 gagccggttg gtgctggcag caacacggta gtagc 335

<210> 20818
 <211> 363
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-H8

<400> 20818

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 ggtcaacgac ctccaccgga acgacatctt caagggagac gctccgccag cttctgcaga 120
 gaagcatctg agcaccgcga agctgaagga gatcactgga agcaacattt ttgcagatgg 180
 gaaggaacca atccgcgagc gtgtggggcg aaaccgcaag cctactggcg gtgagagcag 240
 catcgcgctg atttagcata atccgggact cagtgtcgac ccctagagga ggatttccac 300
 cagtaccagg cagcaggctg gtggatcgtc agtttgngt ctggttcctg atcaaggtgc 360
 ggc 363

<210> 20819
 <211> 304
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-A12

<400> 20819

cgccagccag ccatcgtcac actggtgagc tctgcagtct gcactctgct tagctgcgag 60
 ggtcagtgcc ttcgttgta gctgttagct ccacagtcca cagttccaca cacacgtcca 120
 gctgcactgc accaatggcc gccgtcgagg tccaggcccc gactgccgct cccgtcgagg 180
 aggctgctgc tgctgctgca gcgggagtgg aggctgcccc gctggccgcc gtcgagaccc 240
 cgaacgagga gaccgtgct ccggcgggcg agaccgaggt cgtcgccgct aaggagccgg 300

<210> 20820
<211> 471
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-G10

<400> 20820

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ttgatgtcaa gacatgccaa attgcgggca gacgtccaaa gcaaacagat cactgtacct 120
ggttatattc ctttgaggaa caccctttga ccagtgaagt gggaatatct tctccagctt 180
tatatgatgg attggttgag atcaacaac caaatgacat tcctgcaatt aatgggtgcc 240
caacctgcag tggtagttca gtgatccctt gcggtaatca tgatcaatca attttagtgg 300
caagcttaga catacctgat tgggcgactt ccttgccctg atattttgaa gactgtgggc 360
cagttgttac atatagccat gttgatgaca ttggttcgcc tagaaagggt gtgccaattg 420
gacctgagca ccatgctgac attccagaat tgaggcccct aaactctatg a 471

<210> 20821
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-E3

<400> 20821

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tgttcagact actggcttgg agcctgagag gcagaggctc ttcttccgtg ggaaggagaa 120
gagtgacaga gagttcctcc acgcggcagg tgттаaggat ggcgcgaagt tgcttctgct 180
tgagaagcct gccctgcc aatagagca gaaggttgag cctgtgatta tggatgagag 240
cgtgatgaag gcatgtgagg ctgttgctcg tgttagagct gaaggttgat aggctgtctg 300
ctaagggtgtg tgacttgag aagaatgtgc ttgcaggag aaaagttgat gata 354

<210> 20822
<211> 383
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-E4

<400> 20822

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gtgattagtt gctcaagaga tggcacattc aagggttcat ggtacaaagg gtcgtacagc 120
tagtaggggt agggatgagg ttgggacatg gagcctcgat ttggaggaca tgaaaatgga 180
gctacaggcc acaagacaga gggaggctgc tttggaagct gctttggcag ataacgagct 240
cctcgaagaa gagtacgaga aacagtttga cgaggcggct aaataggaac tatctctgga 300
gaatgatcta gcatgcatgt gggttcttgt tgctaagctg aatagaggag ctttaggcat 360
atctgatttg aatgttgacg acc 383

<210> 20823

<211> 301

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-E5

<400> 20823

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gacgagagag aggatcggcg gcggcggcgt gtgggagatg gcgcgcgaga ggcgggagat 120
acggcggata gagagcgcgg cggcgcggca ggtgaccttc tccaagcgcc ggcgcgggct 180
gttcaagaag gcggaggagc tcgccgtgct gtgcgacgcc gacgtcgcgc tcgtcgtgtt 240
ctccggcacc ggcaggctct cgcagttcgc gagcttcagt gtgaatgacn atcgtgacaa 300
g 301

<210> 20824

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-E6

<400> 20824

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gcagggcgct cttcggtcgg aggagaagcg cgaccacgac catgggcttt atctcgttcg 120
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ttggaaatga cggcggacct gcagcgaaga ccttgaagcc aaagttcaat ttgttcgtca 240
agctagtgtc caagaatact ggactggggc tgccgcatat ggatataaaa actgtcattg 300
cagctaccat gtttcttaaa ggctttgggtg gtcttctgtt catagtcagc agctcatttg 360
gagcattcct cctgctcatt tacttggcgt ttataacccc tatgggtgat gacttctaca 420
accatgaaat ggagtcaaca ctgtttgtcg atcttttt 458

<210> 20825
<211> 462
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-047-Q1-K1-E8

<400> 20825

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gctctctctg caactgcaac tgcaacgcac caagaaactg ccggcgatcg atcggggaag 120
gagataaaca tggcgcacgg gaagctggag gtcctcctcg tctccgcaa gggactcgag 180
gacaccgatt tcctcaataa catggacccc ttcgtgatcc ttacctgccg cacccaagag 240
cagaaaagca gcgtcgcaaa tggagcanga agcgagcccc agtggaacga gaccttcgtc 300
ttcaccgtct ccgacgacac cccgcagctc cacctcaaga tcatggacag cgacctcacc 360
aacgacgatt tcgtcggcga agcaaccatc cccctggagg ccgtgtttca agaaggcagc 420
cttccccgcg ggttcacccg gtcgtcagga ggagaagtac tg 462

<210> 20826
<211> 235
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-047-Q1-K1-E9

<400> 20826

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ggatgttgga atagccatgc gaactcattc aaaagagaac gctgcctctg atgcagcttc 120
 agttgttcta ctaggcaaca gactttctca ggtggtagat gcgctatccc tgtcgaaggc 180
 aacgatggca aaagttcacc aaaatttggc ctggggcagtg gcatataaca tagta 235

<210> 20827
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F1

<400> 20827

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 agttcgcgct gaacctggag tacaccgagg ccgagttctt cctgcacggc gcgtacggcg 180
 tggggctcga ccacgtcgcg ccgagtctgg cgctgggcgg cccgcctccg gtgggcgccc 240
 ggaaggccag cctcgacgag gtgacgaggg gcatcgtcgc ggagtttggc ctgcaggaag 300
 ttggccacat cagggctatc cagcgcacgg tcggtgggat tcctc 345

<210> 20828
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F10

<400> 20828

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 cgatatgggt gatggtctta ttaagctgat gaatggaaac aagactggac cgattaactt 120
 ggggaaccca ggtgaattca ccatgctgga acttgctgag aatgtgaagg agttgatcaa 180
 cccagatgtg acagtgacaa tgaccgagaa cactcctgat gacccccgtc agaggaagcc 240
 ggatatcaca aaggcgaagg aagttctggg atgggagccc aagatcgtcc tgcgggacgg 300
 cttggtgctc atggaggatg atttccggga gcgcctgacc gtgccaaga aaaccaaggc 360
 ctgaa 365

<210> 20829
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F11

<400> 20829

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ggtgtgtaac attattgaag gcaagattcc atctggtcaa gacaacatca aaagtgaagt 120
caatgaaaat ttattctcca actaccctgt tcttgatggt ggaactggaa atggtcttct 180
tttgcaagca ttggctaagc aagggtttac agacttaact ggaacagatt acagtaaagg 240
agctgttgaa cttgcaagaa acctagctgc tcgtgatggc ttctcttcaa taaacttttt 300
ggttgatgat gtacttgaga c 321

<210> 20830
<211> 470
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F12

<400> 20830

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gtcaagacat gccaaattgc gtgcaagcgt ccaaagcaaa cagatcactg tacctgggta 120
tattcctttg aggaacaccc ttgaccagt gaagtgggaa tatcttctcc agctttatat 180
gatggattgg ttgagatcaa acaaccaa atgacattcctg caattaatgg tgccacaacc 240
tgcagtggta gttcagtgat cccttgcggt aatcatgata aatcaatttt agtggcaagc 300
ttacacatac ctgattgggc gacttccttc cctgggttatt ttcaagactg tgggccagtt 360
gttacatata gccatgttga tgacattggg tcgcctagaa aggggtgtgcc aattggacct 420
gagcaccatg ctgacattcc aaaattgatg cccctaaact ctatgattgt 470

<210> 20831
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F2

<400> 20831

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actcctccat gcgcctaggg gttcctttta tagccccaag gcagctagga gccgttgagt 120
gcattccagg aaggcaattc ttgccttctg tcgcctggcg caccggacag tccggtgcac 180
catcggacac tgtccggtgc ggatttcttt cttatttgg cgaagccgac cgttggcgct 240
ttggagccgt tggcgcaccg gacagtcggg tgcccccttc cgaccgttgg ctcgccacg 300
tgtctcgcg ggatcgtgcg gccgaccgtt ggctcaccgg acagtcgggt gcacaccgga 360
cagtcgggtg aattatagtc gtacggcggt aattacttcc cgagagcagc 410

<210> 20832

<211> 462

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-F5

<400> 20832

cgaataatct cttcttcacc tcaactaacac cagctagcaa ctctttctct cctgcaataa 60
tggcgcgtcg ctctcctcc tcccagccgc agctggctcg ggcgggcgcg gtcctggcag 120
cggcgctgct gctgctggcg gcgggggccc ggacggcgct ggcgggcggtg agctgcggcg 180
aggtgacgtc gtcgggtggcg ccgtgcctcg ggtacgcgat gggcagcgcg gcgtcgccct 240
ccgcggcggtg ctgcagcggg gtgcgctcgc tcaacagccg ngcgctcgcg gcggcgggacc 300
ggcaggccac ctgcaactgc ctaagaagca tgacggcccc gtcggcgggc ggcgtcggca 360
tgggccaacg ccgncaaaca tccccggcaa gtgccgcgtc tccgtcggcg tgcccatcag 420
ccccaccgtc gactgcacca agatcaactg atcgatggaa cc 462

<210> 20833

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F6

<400> 20833

caacgttaac tgcaacacga ttaattaaat gaggcgtcct gtgcgcgtcc gggcgaggaa 60
 tgcattcatg gcggagagta ataaattcgt aaacggtgta tcgtggatgc atgttgccgc 120
 gagcagagta cgtaggcatg aaccgatgtg tgcgcttctg tctgtgtact ctctctatgt 180
 agtaatgtgt ggccagtggg tgctttgatc cagatgtatt cgctcgtgag tggtagtca 240
 tggaagtga tcgtttcagt atcattaccg tgtattctct cttttacatg cgattctgaa 300
 aagggacctg cacgaagttc cagtatac 328

<210> 20834
 <211> 364
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F8

<400> 20834

gtgacggccg cctttttttt tttttttttt ttttttgaga taaattacta tttgtattct 60
 gctctcagct tcatatcagc tagctatttg agatagcaat tgcggacagc ctaagcagaa 120
 gaactagaat agcttgtttt ctgcatgcat gttgccggtc ccacaaatgc gcggccgggg 180
 cgcattcttt cgcagtcttc actagctagt tcatcgatca tccattcatc cttgcttgca 240
 ctgcacgtcg atcttgctat tcctttgtca gcctgacttc ttgttggtta tctcgatggc 300
 ttccgctagc tcgtcgatct tggcgccggt gacctccttc acgaccttcc cgcccttgag 360
 gatc 364

<210> 20835
 <211> 271
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-F9

<400> 20835

ctctcgaagc aaaacgcgca ccacgccgtc gccggccggc cacttcgcac gtacgtagga 60
 cgcgacgca ccggtgcatg gatggggctc ctgaaccagc tgtgggacga cacggtggcc 120
 gggccgtgcc cggactccgg cctcggcaag ctccgcaagt acgcctcctt ctccccctcg 180
 tcgtcgtcgt cggcgccggt ggcggcggt gcggcgccgg gctccgcgcc gacttcgggc 240

<210> 20836
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-E12

<400> 20836

cattgcggca actctgtcta gcttaaact atctggaaat aagatgtcaa ttgtggaaaa 60
tcaagcgcag aatcatgttt accagaactt tggtgaccag acagatgtgc tctttaatgt 120
accaaaggaa cacatgcaat tttcaccaca aattttaagt caaaataaccg atgatggctc 180
gtttaatgcc cctgaatatg tagtttttcc aaatgggggg agcaacttca gtaattcaca 240
tgctagtaag ctggcatctc atagcaatat caagttttct atgcagccac cacatggtaa 300
tttaaacaag aaaggatctt tgatgagctc acctggatca gattctcact accataactt 360
gaatggtgat agccatggca ttgat 385

<210> 20837
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-C4

<400> 20837

caccacttct tcaaccacca caagaaggac taggagcagc ccgccggcga gtacgggtac 60
tgcgagaccg aggtgggtcac cgccaccggc gagggcgagt acgagaggta caagaaggag 120
gagaaggagc acaagcacia gcagcacctc ggcgaggccg gcgccatcgc cgccggcgcc 180
ttcgactct acgagaagca cgaggcgaag aaggaccccg agcacgcgca caggcacaag 240
atcacggagg aggtcgctgc cgcggcggcc gtcggcgccg gcggctacgt attccacgag 300
caccacgaga agaagaagga ccacaaggac gccgaggagg ccagcggcga agagaagc 358

<210> 20838
<211> 429
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-047-Q1-K1-C5

<400> 20838

agcatcttag acgatctctc tggcgatgcc catagcctgt attggaaatc cgaagacgat 60
gtaggcgttg ctgggtctggg aggcgaaacc gaggcgcacc cttacgtctc cttcaccata 120
aattttgtct gagaccaagt atgggttccta gaccgtctgt ggcctagggc cctaggcaat 180
ataatacttg gaagcagcta ttggaacgca agcgcggaac gagcatgtat attactctgt 240
tgatttatcg gttcatgtgg tcctgtagtt catatcacag agagatcagc cgacgggatgc 300
tgtaatttct gaggaacctt tggaattcct gtagttcacg tggtcctgta atttctgagg 360
actacctacc tatntccctg cagcactgca cttttgtaa agacttaacc cgtgtctgta 420
gcaacttgc 429

<210> 20839
<211> 285
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-C6

<400> 20839

gtggacgccg gaggaggacc tcgtcctcgt ctcctacatc caggaccacg gccccggcaa 60
ctggcgcgcc gtccccacca gaaccgggct gatgcggtgc agcaagagct gccggcttcg 120
gtggaccaac tacctccggc cgggcatcag gcgcggcaac ttcacggagc aggaggagaa 180
gtcatcgtc caccttcagg cctcctcgg caacagggtgg gcggccatcg cgtcgtacct 240
gccggagcgg acggacaatg acgtcaagaa ctactgggac acgca 285

<210> 20840
<211> 199
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-047-Q1-K1-C9

<400> 20840

gcggccttat actctgcatt tctggctatg catatagcgg ccggtgttcc tagtgtgctg 60

tcagcacttg ctatggcatt caacacatat ctgttcagtg caatcactca ttatagtaat 120
 gcgcatgctg cagtatactt cggagccggg tatatggagn cttcagatgt tttcaggctg 180
 ggttttataa cagccttgg 199

<210> 20841
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D1

<400> 20841

cgacggactc attaacacac acacggacac acaacttctc catacacgcc gtagccatgg 60
 gttccgctgc gcagaagaag atggcaattg tttgcttgat gctgctggcc gtcgctggcc 120
 aaatcgctgc tgatgctgat gttaccgtag aacatcccag ccgcatctgc accgaaacgg 180
 tgattgatcc tcgtgttccc aacaacgagt gcatctgctc caagaactgc gcctgtgccg 240
 gcaagtgcac ccttgagtcg cctgatgctg tccagacctg ctttgtcgac tgcgtcctca 300
 agaacgactg catctgcagc agcaagatca tcctcggcgc tgacgaccca aaggctaattg 360
 ccaagtgaag tagtactgct atcatcatcc ccaataatgg cgtacgta 408

<210> 20842
 <211> 254
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D11

<400> 20842

ggaaaaagaa agccccaatg gtagtgccaa ggtttttttcg agaaagaaga aaccacagc 60
 agaaaaggag atcaaagaga aaaagtcgtc aggaaaaaag gtgacaaaag gtaaaggaga 120
 atcagctgaa gcagttcttc ccagcaagga cgatctgagg aagaccatta ctgaaatcct 180
 caagaaagtt gacttcaaca cggcaacttt cagtgcatt cttagaagc tcgacaatca 240
 ctacaaaatg gatc 254

<210> 20843
 <211> 394
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-D12

<400> 20843

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gctcctcgcc gatcgatgcg atggccgtct tctccgacct ccacaccgcc gacggcctca 120
agtcctcga ggctcacctc gccggcaaaa cctatgtgtc tggtgactcc attactaagg 180
atgacattaa ggtcttcgcc gcggtgccgt cgaagcctgg cgctgagttt cctaatagccg 240
cccgtggta cgagaccgtc tctgcggctg tagcctcaag attccctggg aaggctgttg 300
gtgtaaatct gcctgcggga tcagctcctg cggcagctgc tcctgcggat gaagctgang 360
atgatgatga ccttgatctt tttgggtgatg aaac 394

<210> 20844

<211> 390

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D2

<400> 20844

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tgaacttgag gacttcaa atgaggagaa ctccaaaaaa gcagtacaat gcttgaacaa 120
tatggtgact gatgcactga ttcattgctga agagtgcctt cagtacatgt cagccttgaa 180
ggatcctgcc attttccgtt tttgtgcaat accccagata atggcaattg gaacatgtgc 240
tctttgctac aataacgtgc atgtcttttag aggagtgtg aagatgagac gtggtctcac 300
ggcacgaata attgacgaga caaactcaat gacagatgtc tatactgctt tctatgagtt 360
ttcttcatgg atagagtcaa agattgatga 390

<210> 20845

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D3

<400> 20845

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 cgtgagcggc tcgtcactgt tcgggatgtt cgctttgaag gaacgcccga agtggatgaa 120
 catcacctcg cttgacgagc tcgagacaaa agtggggcac gtcacgtga tgattctact 180
 tgtgaagatg ttgcgagaaga gcaagatggt gacgatagcc acggggctgg accttctcag 240
 ctactcgatc tgcattcttct tgcgtcagc ttctctctat atcctgcaca atctttacaa 300
 gggcgaccat gaggagtgc aagagtgcaa tgc 333

<210> 20846
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D4

<400> 20846

gctcagcagc agaacagcat ccagttgatt cagtaaaagt acataacaat gcatctgttg 60
 tgctgaccaa aaaaatgtct gatttatctc ttgagtggcg atcagattta tcgaaaactg 120
 atgtctggta tgccagtttt ggatcaaaca tgtggagacc aagatttcta tgttatattc 180
 aaggagggaa ggctgagggg atgaatatac catgctgcgg atcacgtgac acaagctcac 240
 caaaaggaac cgtgtggaag actgtacctc acaggttgct ttctggtaga tcgtctaccc 300
 cttgttgggg aactggtggt gtggcttttc tcaaccctga gataaactac aatgagaagt 360
 cgtatgtctt gcatg 375

<210> 20847
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D5

<400> 20847

gatgaaactt caaaacttgt tggaactgat ctaggactgc aattgtcacc ttctggtgat 60
 gccatggtag atatatctaa taagccaccc agctgccaa acgtaaagga ggccccgagc 120
 agtgacattt tgggaaatga tgaaaattca gacaccgaga agactcctgc tgccttgcat 180
 ggacggctga acaccgaact tgctcctagt ggcagaaata cagaatttag tgaagctgac 240

actggaaaac aagagacacc cgtgtctgct gaggctatgg tagaatcatc gagcgagcct 300
 cgagccatg aaggcaaaga agctcaaccc ctgacctgt ctgggatgat gaaaaagcga 360
 agtcgcaagg ctgctggtgt gcggaacttt ttgagatgca 400

<210> 20848
 <211> 451
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-D6
 <400> 20848

cattaagcat ggcagagaca gtgatgcaag ctctctgag aatttccatt gggcctgagt 60
 gatcgaccga ggctcagaag attgaagaaa gaaccttgaa gcagcttact ctaagaccta 120
 ttacacctcc agcaagcaaa tcttctgctc ttagttcttt gaaaataaaa ggtacaaggc 180
 ttggagatca tcctactggt cctagtaaga cctcacaact attaaaaata cagtcagcca 240
 acacttcttc tagagctcca gttaaagcag atgtttcaaa gctctctcag ccaggaagct 300
 tccaagttct cagtcgagag caaacggta ctgcacacac cgncaaagac tgtcctgtga 360
 aacctgtgag tccttcaact cctttggcgt cgctggaaac acagaaaaaa acagtggcga 420
 gccaaaagtt gaagtttggc accaatgaaa g 451

<210> 20849
 <211> 451
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-D7
 <400> 20849

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 gacgagtaag aaattggcag caagttgagc aggggccaga ctaataaatc agcttgatag 120
 catccttgca gcggtgcctt ggactttggc ggtagaaga ggtttataat tttatatgat 180
 gaaattatgt gcactctcag ttgtttttgc ctactgctc tgtaaggaca tataaaattg 240
 gtatttgtac tttctaaggt tctccttggc atggtagagt tttacaggga accttccatc 300

atcagttgct gacatagctc gaactcgacg tttcttcttc gccagttgcg gctctggata 360
aactcgaagc tgacctatcc aagttcgacg acgggccctt ctttctaggc caattcagct 420
tggcngatgt agcgtacatt acgatttctg g 451

<210> 20850
<211> 390
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D8

<400> 20850

cgggccgcgt cgtcgggacc tacgggtaca tggcgcccga gttcgcgttg gacggcgtct 60
gctcggtgaa gtcggacgtg ttcagcttcg gggtcctcct gctggagatc ttgagcgggc 120
aacggaacgg cgctttgtac ctcgaggaac accagcagtc cctcatccaa gacgcatgga 180
agctgttgga gtgaagaccg cgcggccgag ttcattggacc agtcgctggg gcggtcctac 240
tccaaggacg aggcgtggcg gtgctaccac gtcggcctgc tctgcgtgca ggacgacccc 300
gacgtccggc ctaccatgtc caacgtcctg ctcattgtca tcagcgacca caccaagtta 360
cccagaccag ccattgccgc cttgttcgcg 390

<210> 20851
<211> 216
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-D9

<400> 20851

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tggggccggc cccaaactgc gtgtggcaaa ggcacgaaag gcatttgacg atatggtaga 120
tgccagtggc tatgcctatg ccgtgatgcc atcggccaag ggtcttgtgc cagagactca 180
ccctcacttc atcggcacct actggtgcgc agtcag 216

<210> 20852
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-E10

<400> 20852

cacacacaga caagtggttt ccaaagccaa gtgtgtgtac tagcaaccag ctagctcggg 60
cggcagcagg cagccatcat gtcggaggag aagcaccacc acttcttcaa ccaccacaag 120
aaggacgagg agcagcccgc cggcgagtac gggactccg agaccgaggt ggtcaccgcc 180
accggcgagg gcgagtacga gaggtacaag aaggaggaga aggagcaca gcacaagcag 240
cacctcggcg aggccggcgc catcgccgtc ggcgcttcg cactctacga gaagcacgaa 300
gcgaagaagg accccgagca cgcgcacagg cacaagatca cggaagaggt cgctgccgcg 360
gcgacgtcg gcgccggcgg ctacgtattc cagcagcacc acgagaagaa gaaggaccac 420
aaagacgccc aggaggccca cggcgagaag 450

<210> 20853

<211> 285

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-E11

<400> 20853

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gcctgagcaa gtgcaagtac cttgctggag acttcctcag cctcgccgac ctgaaccatg 120
tgtctgtcac tctctgcctg ttcgctacca tggctccgat gaagctgtac gngcgggtga 180
tgtcgtggaa cgtgacgagg tgcgcaacgg cgctggagga ggctggctcc gactacgaga 240
tcgtgcccac caacttcggc accggcgagc acaagagccc cgagc 285

<210> 20854

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-C3

<400> 20854

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cggctaggac gacgacggca atggtgcagc ggtacgaccc acagacatgc tggatgcagt 120
 ctcggtcgca tgaactgagc aacggggccga caatggagca gtatagccgc ggagatgctt 180
 ggcagaacct cgagcgtgga gtcgagcccc gtgtgaccgc acgcgaggcc tacgcacctg 240
 caccaggaca cgccagcaga tcaagccatg ccgtagtcgg ctgcatacga caaaccggtg 300
 gctcaactcg acgcgaactc tgtgcgagcg aaactggagc tc 342

<210> 20855
 <211> 149
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-A10

<400> 20855

tgcaccagcc ctatggcact atataatata taagactagg gggagaagtt ttccttcccc 60
 cggaaggcac ggctgtacat attatattag ggattgggtg gttgtttgtg caggcatttt 120
 tgtatgcatg atattcggcc tgtatgggt 149

<210> 20856
 <211> 296
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-A11

<400> 20856

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 tgtttggctcg aactcatggg cagccagcat caccaacaac tgtgggaaag gagatggcaa 120
 acttcgcggc cagattatct gatataggaa agagtttctc agaggtgaag atactaggga 180
 aatttgctgg cgctgttggc aattacaatg ctgatgtggt tgcatacct gaagttgact 240
 ggcctaaggt ggcagaagag ttngttagat ccttgggttt gcagtttaat ccctat 296

<210> 20857
 <211> 323
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-A12

<400> 20857

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gggtcaagcct tcgcggaagg cagtgaacgt gccgtcgctc tcttcggcga ggccccgctg 120
acgatgcgca agacggcggc gaaggcaaag ccggcggcga gctccggcag cccgtggtac 180
ggccccgacc gcgtgctcta cctgggcccc ctgtccggcg cgcccccgag ctacctgacg 240
ggcgagttcc cgggcgacta cggtggggac accgcgngc tgtcggcgga cccggagacg 300
ttcgccaaga accgggagct gga 323

<210> 20858

<211> 365

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-A2

<400> 20858

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aaaatacaca ataaatccag caatggtgaa cgggttttca gactttgttg gttctgttga 120
gggtgggaaaa ttagctgacc ttgttcttg gaaaccatct ttcttcggcg ctaaaccaga 180
actggttgta aaggagggtg caattgcatg ggctaacatg ggtgatccca atgctagcat 240
tccaacacct gaacctgttg tgatgcgacc tatgtttggt gcatttggaaggctggaag 300
ttccaattca attgcatttg tgagcaaggc tgctaaagaa gctggtgtcg caacggagta 360
cagac 365

<210> 20859

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-A3

<400> 20859

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gagcatggct agtgctagag ttatgcggga tagcgatgga aaatacaggt gtgacggatt 120

tgtcaagtat caaaatgcac atgctgctta tcaagctggt caagagttga atggcagcat 180
attcattgat taacaactgt atttcgaatg atcacataac aactcttaaa gatagattga 240
ttcgaacgat aaatttgaca tgaatgttca ctaggttagct caaaagtttc gcatcacaga 300
cttgtatttg aagaacttac aggagaacat cgat 334

<210> 20860
<211> 388
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-047-Q1-K1-A4

<400> 20860

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agagctctac atgaataatt tggcacatga tcttgctagg tcagttgctg gtgaagatat 120
ccttgtgac ttagatgctg agaatgtacg ctgcaataga aattatgatt accgttatgc 180
acaagtgtca acttctagct tacaatcaat agatagcaag gcttggcctt ccaaggcaag 240
gtcactagtt ntcaagtcaa gtgcagaatt gcagcatgct agcgaagttc tttcagtga 300
caaataatttg cgtgttttgg atatcagtgg gtgttctgtg aaggagatgc ccgctccaat 360
ttttcagatg aaacaactga gatatctt 388

<210> 20861
<211> 107
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-A5

<400> 20861

aattccctgt ccatgccccg ttattcaaga cggcagcacg catgacttgc tatectccgg 60
cttgtgcact tcgacagcct acttaccggc gaagcccctt ctaaacc 107

<210> 20862
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-A6

<400> 20862

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cacaccacac catcaacgga tgcaacatga ggccggggga tatatttgcg actggcacac 120
tgagtggacc tgaaccggac tccctcgggt gcctgctgga gctgacatgg aacgggcaga 180
aggagatacc ggtggggagt ttgaccgca agttcctaga agatggagat gaagtcattct 240
tgacaggatg ttgcaagggt gaaggctaca acattggttt tggaacctgc accgggaagg 300
ttctgccggc acttccctga gccaacacgt cttggatatca gttctccgga gtctcaacga 360
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<210> 20863

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-A8

<400> 20863

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ggtggtaatg gcactagcag taccggtgct tcatcagaca gaggggtcaaa gaagaaaagg 180
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gacatnaaac atggtggtaa aaaaacgtca gagaaaatga tagaggagaa tgcaaatact 360
tttctgatg aatngataga agaaaaagtt ttggcttggtg ctccagagtt agaagagttg 420
ggaagctctg atgactcaaa tgccccctt aa 452

<210> 20864

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-A9

<400> 20864

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 gcgaggatga ggacaccggc gccaggtcg cgcccatcgt gaagctggag gaggtcgccg 180
 ttaccaccgg agaggaggac gaggacgcgc tcctggacat gaaggcgaag ctctaccggt 240
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 acaaagaca 309

<210> 20865
 <211> 384
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-B1

<400> 20865
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 ctcgatcatcgc tcggcgatgg tggaaactggt aaaactacat ttgtgaagag gcattctact 180
 ggagagtttg agaagaaata tgaaccaacc attggtgtgg aagttcatcc gttggatttc 240
 accactaact gtggttaagat caggttctac tgctgggata ccgcanggca agagaagttt 300
 ggtggcctca gggatggata ctatatccat ggccagtgtg cgatcatcat tgttgatgta 360
 acctcaaggc tacttacaag aatg 384

<210> 20866
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-B12

<400> 20866
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 tttctcagag gttgttggtg gatgctataa agggaaaatt tacttccttg atatgtctac 180

gggaaaatta tcctggacct ttcaaacaga tggggaggta aaaatgcaac cagttgtgga 240
 caagatgagg aatttaatat ggtgtggctc gtatgaccat tacttgtatg cgttaaatta 300
 caaagatcgc tgctgcacat acaaagtttt ttgtggtgga agcattta 348

<210> 20867
 <211> 163
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-B3

<400> 20867

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 gcccgtactt cgctgcggtc aagtgcaga cgatgggtgg ncgtgcatcc gcgcggtgag 120
 cgccacggtc actgttagac gtgcgcgcct aggctgttga cgc 163

<210> 20868
 <211> 359
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-B4

<400> 20868

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 cagatactca atggcaatta tcgtatccct gagcaaccca agtatagcac tgctgtcaca 180
 gggttgatca aagatatgct ggaagcctct ccaaattcca gaccagacat cacacaggtc 240
 tggtttcgtg ttaatgagct actgccgctt gagttacaaa aaagtttacc tgacggacct 300
 tcgccagccg tttccttgag tttgcaagat gaaggtgctc ataaaagggc acatgtgat 359

<210> 20869
 <211> 407
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-B6

<400> 20869

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 caccctgct tctgatcgtt catgcactca tttggagttc gacattgctg caactggctt 180
 cacgtatgaa actggcgacc atgttggtgt atacaccgag aactgccctg aggttgtaga 240
 ggaggcagag aggttggttg gctactgcc agacacattt ttcaccattc atgcagacaa 300
 agaggatggc acttcactaa gtggcagttc tcttgctcct cegttccctt cccaatcac 360
 agtgaggaat gcacttgcta gatatgccga ctttctaaat tcaccga 407

<210> 20870
 <211> 393
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-B8

<400> 20870

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 tgccagctta tttttagact cgatttcgac tttcacaact tatgagatat tcccatatga 180
 tacgttcac tctatacag tctcacaag tgtcatcaca ttggatcgtg tatctctgaa 240
 acaaaagggtg gtagatgcac cagaaatcct ggctgtaatt ggcaaagtac ctcacctctc 300
 cgagtttctc aactccctgt acaactgccg gtataagtcg ttcttcgttg cattttctgg 360
 tctgacagag caaatcaagt tagaccgtta tct 393

<210> 20871
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-H9

<400> 20871

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 aggaaaactc tagcaggcac tgatggcact gaaccaaaca tcacttttga ggagtacctt 180

gccaattgga gatatacgga tgatgaggtt tatgtttttg atggaggaaa tgacagcact 240
tcaaattggtt ttgtcggttaa atctattatg tcaactggcc agtattttga ggtggcagaa 300
ttgtatacag taacattcct ctgtattgtc tctcaagata gtgaaactgc tatctcatgg 360
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<210> 20872
<211> 420
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-047-Q1-K1-C1

<400> 20872

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cctgcctgcg acaaaagcaa aacctagccg ccgcggcgcc gcccgccgac ctgccgtgcc 120
gactgctgag tgccgaccga cgtgcgcccg ctgtccgctc gacgttggtg gcctccctcg 180
acgccgctgg caggtggccg ctcgacggag tcgacgctc acagcctccc tcgacgcgac 240
gccgctggcc actcgacgga gtcggcgccct cacagtcaca gtgagatgtc agaatacaag 300
aacgtcgttg gggggaggct aaagctgaag ggtaggcact ggacgtgaag gaaggtggag 360
tcaagaagaa naagaagaag catcaactcg aagagtcgtc tcagattgag cacgatgagc 420

<210> 20873
<211> 142
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-C10

<400> 20873

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agtaatggtc tatgctcact ctatccttgc gctagcctct atgaccggac ctaaactggc 120
gtgtgagaaa cattcacgac tc 142

<210> 20874
<211> 111
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-C11

<400> 20874

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atgggggtcgt ctgangccga cgaggaccag ctctcaaga gtttcctcgc g 111

<210> 20875

<211> 337

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-047-Q1-K1-C2

<400> 20875

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tgcagtagct aaaaagaatg cgcaaaaatc tttgtacgat tgtgcgctgt cgaatctctc 120

tctgctgtgc acacgcgcgc aggagcatcc gggcatgtcg aagggcgaca agaagcggct 180

gtgcgcgctg atggactgca ggaagctgac ggcgagcgcg agcgagcacg ccgtgcagaa 240

cgagcggctg cccctgcgcg tgggtgtaca ggctctcttc ttcgagcagg tccggcagtc 300

ggcggcgcca gnetctggcc gccccgcgcg ctgcctc 337

<210> 20876

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-G10

<400> 20876

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gttgagcggc taagagtctc atcatcactg gaaggtacac atcgactgga aaatggtggc 180

atacgaagtg atgatggtga aggcgatgca tcttcaagtt ttccaatatt tcagtatatg 240

gagagggatc ctccatatgg tagagagcct ctgacagaca aggtatcaac tcttgacac 300

agatttccag ctctgaagac attcaaaagc tgtgatcttc tgccatcgag ctggatgtct 360
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 tggtttttga cattcca 437

<210> 20877
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-G11

<400> 20877

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 aatggttcat tctcaatgta gtctggcaaa taaagcatca ttgagaatca cgatgatcta 120
 ttaagagtct catcatcact ggaacgtaca catctacttg aaaattatct catacaaaga 180
 aattattctg aacatgatac atcatatagt tataacaatat ctactatat gtagagtgat 240
 cctatcatat agtataaagc ctatcacata caacgtatca actctcacac acatatttac 300
 agctctcaag acattcactt tctgttatct 330

<210> 20878
 <211> 290
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-G12

<400> 20878

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 ggtcctgaag cattcaaaga ggagaggata aactaattcc ttaaccttct tcaccatgct 120
 cgccaagttg tatcaattac tcactatcca atccatcggc tatatactta cctcctagat 180
 gatatgcatg ctaaacaatgc ctactcatgt actaacatat atctttccct aaagtgccta 240
 gatccacaga gtaatgcact attgtcttac atgaagattt cgaataacat 290

<210> 20879
 <211> 156
 <212> DNA
 <213> Zea mays

<210> 20882
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-G5

<400> 20882

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ccgtggagca ggcgagccaa gcaggtgacg acgtgaagaa gccggactgc gtgccggggga 240
tagaccgcgc ctcggttcccg gggaccggcg gcggccacgg catcacgccc gtgacgccat 300
cgcacggagg ctccagctcc ccgacgccgt cccacggcgg cggcgggcggg tacgttccaa 360
cgccgtcgca tggcgggacg ctgccttccc cgtcccac 398
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<210> 20883
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-G7

<400> 20883

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tgttcaagaa agcctgtagg atcgatcgga tcggatcgga tcggacagag cgagctatag 180
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ggccttgtgc tgctgcctca tgatccacgc gccgacgaca ggtgccgctg ctgccgccga 300
cgacgcctcg tttcctcctg gactggaggt ggcggcgag cagcaggata cccgagtggc 360
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 <211> 424
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-046-Q1-K1-G8

<400> 20884

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tgggaccagg cagttttcaa cgaggagctg ttcttcccg tccatcctgg ttatgaaggc 120
ctccatgcat ccaggagaac catggatttt tatcttttca tgaacagcaa agtcctcttc 180
aagacagtga ggaaagacgc cgggctcaag aagctaaagc cagtgattgt gcatttgaac 240
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caagatgcac tggatcattt ccctgacggg tcagaatgaa gaaattacag atagttgcgg 360
gtaaagaaac ctataccctc tggatcctac tcnattttgg ggtgtctggc cgttggatct 420
acat 424

<210> 20885

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-H10

<400> 20885

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ggtgagctgc ggcgaggtga cgtcgtcggg ggcgccgtgc ctcggttacg cgatgggcag 180
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cggcggcgtc agcatggcca acgccgcaa catccccggc aagtgcggcg tctccgtcgg 360
cgtgcccac agccccaccg tcgactgcac caagatcaac tgatcgatgg aac 413

<210> 20886

<211> 186

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-H11

<400> 20886

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gaaaaataaa tgggtggagag ggctaataatt gactattatt accttcgcgt tcgtgtttcc 120
 tgtttgctat tctctagctt cccctggccg acgttttata actgggtata ttagacgatt 180
 ctcttg 186

<210> 20887
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-046-Q1-K1-H12
 <400> 20887

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 tatcaattac tggggagcca atccagcggg taggtgctta cctccttgag ggtttggttg 180
 ctagacatgc aaactcaggt acaaacatat atcgtgccct gaagtgccgt gagccagaga 240
 gtaatgaact cttgtcttac atgaagattt tgtataacat ctgtccgtac ttgaagtttg 300
 gctatatggc tgccaatggg gcaattgcag aggcattaag aaatgaggac aggatccata 360
 ttattgattt ccagattgcc caagggacac agtggataac actgatacaa gcgctagctg 420
 ca 422

<210> 20888
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-046-Q1-K1-H5
 <400> 20888

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 aaggtgaagt acgcgcgcca catcgccacc ggcggccact tcgcatcaa gatcctcgac 300
 cgcagcaaga tcctctccct ccgcatcgac gaccagatca ggaggagat cgggacgctc 360

aagctgtca agcaccgaa tgcgtccgc ttgcacgagg ttgctgccag taaaacgaag 420
atctacatg 429

<210> 20889
<211> 278
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-H6

<400> 20889

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accaaccttt tatgaatgct gaactgctag caacatacgg actctaagct cactctaaca 180
tctatcatat tgagctataa cctcaagctg accctcttct agtacgactt agtcaaagtc 240
cattattcaa gcttattaat catcataacc cacttcta 278

<210> 20890
<211> 394
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-046-Q1-K1-G1

<400> 20890

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gggccggcgc caccgtccgc cccgagcggc ggcaccaatg atatcccccg gaattaagga 360
accggtggcc gtagtagttg tacgtacacg catg 394

<210> 20891
<211> 306
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-046-Q1-K1-H7

<400> 20891

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ggggcgaagc agttggtctc tgccgcctga acgccgcggg aatctgagag gcctnccccga 180
gctgctccg tcgtcagata aggcagtcgt cggcacggca atgccggttc cgcttgctcc 240
gtaccagct tctccggcgc cattcacgcc gcccaatgtg gcccaaagcc agctcgtctg 300
caccgg 306

<210> 20892

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-H8

<400> 20892

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cgctcactgg gttcccagg acaggatcct caccaccaac ctgtggtctg ctgagctctc 180
caagctcgct gccaacgcgt tcctggcaca gaggatctcc tctgtgaacg ccattctccg 240
cctctgcgag gccaccggcg cgaatgtgac tgagggtggc tacgccgtgg gcaaggacac 300
gaggattggc cccaagttcc tgaacgccag tggtgggttc ggtgggtctt gcttccagaa 360
ggacatcctg aacctggtgt acatctgcga gtgcaatggc ctgcccaggg tggccaacta 420
ctggaagcag gtgatca 437

<210> 20893

<211> 390

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-046-Q1-K1-E4

<400> 20893

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cccttgcccc ccgcccgcgc acatccgect cgccccctca accgacacac ccgcctcgga 180
cggaacggc ctcggaaccg gccccggtgt cttcctatcg ccgcgcgcg tctcgagct 240
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cgctctctcg cgcgcccccg acgacgacgc cgtggtcgag gcgctcgcc ggctnctgcg 360
ctactccttc tccgagaccg tgcgctgggc 390

<210> 20894

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E5

<400> 20894

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acaacgcctt cagcacctac ggcgaggtcc tcgagtccaa gatcctctc gatcgggaga 180
cgcagaggtc ccgcggttc ggcttcgtca ccttctccac ggaggaggcg atgcggaacg 240
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agtcccgcgg cgcccggtga ggcgggcgcg gcggcgggta cgggtgggtggc cgtggaggcg 360
gcggctacgg cgggtggcggg cgccgtgatg gcggcgggcg ctacggccgt ggcg 415

<210> 20895

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E6

<400> 20895

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cctcgacacc gaagggccgc tgcggctcca ccggctacga caacgccgtc acgctccccg 120

ccgagggcag aggtgacgag caggagctcc acaaggagaa cattcagaac gccgtctcct 180
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<210> 20896
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E8

<400> 20896

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ggctgcatgc ctgatcaaac taaagagatt cgatgaagct attgcgcagt gtagcattgt 180
tttgacagaa gatgaaagta atgtcaaagc gctgttcagg cgaggaaaag ctaaactctga 240
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agacaaggag atcattcggg agctccggtt gctcgcgga caagacaagg cac 353

<210> 20897
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E9

<400> 20897

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ggcacactgt acaagtcact aacctctcga gcagagtatc tgaaagtgat cttcatgagt 180
tcttttcggt ctctggtcct attgagcata tagaacttat cagatcagaa ggatacgggtg 240
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gggctactat tgtggatcag ccagtatgca taacctattg gggacaacct gagggaaactt 360
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aaacatg 427

<210> 20898

<211> 351
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-046-Q1-K1-F1

 <400> 20898

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 acgccttttc cttgagatga cgacgacgat gaagaagaag cagcagcagc agctcctcct 120
 cctcctttct ctcatgtttc tcgttgctgt cacagcagcc gctgttgctg ccgatccaca 180
 tccacagcag gtggtactac gcctactctc ctcttctcct cggcatcatc caaactgaat 240
 cagattgaag aatcatcagg tcattaacat gtccagtgtg tgtccagcag gtgcaagtgc 300
 agcagcagca gcaagcacag atgaggatta acagggccac cagatccctt c 351

<210> 20899
 <211> 223
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-046-Q1-K1-F10

 <400> 20899

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 cctgccttc tcgacgccc tccctcacc ttgatgccac gccctccttc catggcgcca 180
 cgcccgcgcc ccttaccacc cgtccgagcc gcgacgtga ccc 223

<210> 20900
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-046-Q1-K1-F11

 <400> 20900

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 tttgggtggg acaaggacct ggccaagaag atttgggtgt ttggacctga gaccactggc 180

ccgaacatgg ttgtagatat gtgcaaggga gtgcagtatc tcaatgaaat caaggattct 240
 gttgtggctg gtttccagtg ggcatcaaag gaggggtgcac tggctgagga gaacatgcgt 300
 ggaatttgct ttgaggtctg tgatgtcgtt cttcatgctg atgctatcca caggggtggt 360
 ggtcagggtca ttcccactgc caggagggtc atctatg 397

<210> 20901
 <211> 287
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-F12

<400> 20901

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 tccggttgcg ccgtggccgc atccgccaaag tggcggagcg actcgtcgag gtcgttccag 180
 tactacctgc accgttacac gcctaacgct actggggcgt ggctcggcac gctcgacacc 240
 gctgcaatct actcgtgac attctacatg gcgcaaggca ttctaca 287

<210> 20902
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-F2

<400> 20902

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 attgacaacg tcaaggccaa gatccaggac aaggagggca tccccccgga ccagcagcgg 180
 ctcatctttg ctggcaagca gctcgaggac gggcgcacac ttgccgacta caacatccag 240
 aaggagagca cctccacct tgttctccgc ctacggggag gcatgcagat cttcgtcaag 300
 accctcactg gaaagactat caccctcgag gtggagtctt ctgacaccat cgacaacgtc 360

<210> 20903
 <211> 376
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-F3

<400> 20903

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ccatgaccaa cttgtgaaga ttgcaaaggt ccttggaaaca gatggggttga atgcttattt 180
gaacaagtat cacattgagc tggaccctca acttgaagct cttggttgaa ggcatagtag 240
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agattttctc gataagctcc tgcgctatga tcaccaagat aggctcactg cacgtgaagc 360
tatggcacat ccctac 376

<210> 20904

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-046-Q1-K1-F4

<400> 20904

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tgcttgccag tgtgagcggt gatagacgaa aagatcctct gtatgcatgg tggcttatct 120
ccagagttga acaagctcga acaaatactt aatctgagtc gccccacaga cgtgcctgat 180
actggattgc tctgtgacct tctttggtct gatccttcta atgaagcaac aggatgggccc 240
ataaatgata gaggtgtttc atatacattt ggtcctgata aagtttctga attccttgag 300
aagcatgatt tggacctcat ctgccgagcc catcagggttgc tgaagatgg atatgagtnn 360
ttcgctagcc gccaaactcgt aacaaatggt tcagccccta actactgtgg agaattgata 420
a 421

<210> 20905

<211> 308

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-046-Q1-K1-F6

<400> 20905

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gcgcctggcc gcgctgatcg gcccgaggc ggcgctccgc gtggtgcgcg gcgcgctggc 120
gctcatcacg ctggggcgga acgacttcgt gaacaactac tacctggtgc cctactcggc 180
gcggtcgcgg gagttctcgc tgccggacta cgtcacctac ctgctgtcgg agtacgcgca 240
ggtgctggac cgactctacg acctcggcgc gcggcggtg ctggtgcatg nggtggggcc 300
catcggt 308

<210> 20906

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-046-Q1-K1-E3

<400> 20906

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agtccctcga ggctcacctc gccggcaaaa cctatgtgtc tggtgactcc attactaagg 180
atgacattaa ggtcttcgcc gcggtgccgt cgaagcctgg cgctgagttt cctaagccg 240
cccgtggta cgagaccgtc tctgcggctg tagcctcaag attccctggc aaggctgttg 300
gtgtaaactc gcctgcggga tcagctcctg cggcagctgc tcctgcggat gaagctgang 360
atgatgatga cttgatctt tttggtgatg aaactgagga ggacaagaag gcagctgatg 420

<210> 20907

<211> 212

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-F7

<400> 20907

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gtccttgcaa catatctgtt gaatgcttat ttgaacaagt atcacattga gctctaccct 120

taacttgaag ctcttggtgg aaagcatatt ataaaaccct ggtcaaagtt cattaatgct 180
gataaccaac atctagtatc accttacgcc at 212

<210> 20908
<211> 376
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-F8

<400> 20908

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ggttggccac cgctctgcta tggatttggga tctgtggatc tccaagggtca aggagggtca 180
gcacctcgcg gagcacgagc ttcagtccct ctgcgaatat gtgaaggaga tcctcatcga 240
agagtcgaac gtgcaaccag tgaacagccc cgtgacgggt tgcggtgata tccatgggca 300
gttccatgac ctaatgaagc tcttcgagc cggggggccac gttccaaaga cgaactatat 360
tttcatgggt gatttt 376

<210> 20909
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-F9

<400> 20909

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ggatttttca acagccggtt gtcacatcgg tcttgaccg ctacagagga aaacgagttc 120
cggtttagct tactctgct atatttcaac atacttccct cacaatatc atgcgggttat 180
ggatatgttc cgtccttgcc tttttcttta acttgtttag ttggtggtag gattttttgt 240
tgttgtgtaa attacccctc atccgtgggt ttccacagac cagaatgcat tttcccgtt 300
aatacattga agaaagttct catgc 325

<210> 20910
<211> 210

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-046-Q1-K1-C8
 <400> 20910
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 tcaagccttc accttacgtt ctttggtgta tcgaggagtt taaaaatgat gacttctcgc 180
 tctgcaaata tgtatagaga atcaaaatgt 210

<210> 20911
 <211> 335
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-046-Q1-K1-D1
 <400> 20911
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 gctagctagc tcgggcgcga cacaaccaca cacctgttta attctgtact gcatgcgtgt 120
 gtaatttgat gggtcacaaat aatgagtcct tctccggacc ttggtagctg cttgcttctg 180
 gtgagtgaga gtgtgagact gagggagaag aggtgggtggg cgtgggggcta cgtcgagaga 240
 ggcgtgttcc tgtaatcctg tactcgcttc gttttctctg catgcgtcta taattgtgtt 300
 caataataag tgagagcggg gtgatgtgtg gctcc 335

<210> 20912
 <211> 292
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-046-Q1-K1-D10
 <400> 20912
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 agatggagtt gcaaaggctg agtgatgacc tgtctacgat gagctgtctt attacccact 120
 aatttctaca ctgatcagaa cctcaagttt tctaacagtc aactttctta gctgcggaac 180
 gagtaataca acagagttagc atacatatga agagctagtg gtttatttga ttctcttctg 240

catgctctta aaccaacttt gcttatatgg tggaagtga taatttcatt tc

292

<210> 20913
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-D11

<400> 20913

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agaacaaggg agctgagaac attgttcctt ccactgattc atcacttgct tcagatgttg 180
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ccacgtctac agtggctggg accccagttg aactttctgg gtatcaggag ggtgctccag 300
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gtgcttcgga taacgaggtg ctctctccag aacctgctga tgtctttttg cagtctgaaa 420
gaatcact 428

<210> 20914
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-D12

<400> 20914

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cccagaatta tctcaattga aggaattcac aggagctttt acacctgatc tgaagggctt 180
ggctattagc aacagcgaat ctatccggac atctcataac agctttgcaa ggccagagcc 240
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ctatttacct ttgaaagtg tctgtatga gctggatgga ctgaaagaaa ggctgtgaa 360
tcttgggcaa tgcgatggtg 380

<210> 20915
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-D2

<400> 20915

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gtcaagggga ctcaatttga tcttgtggaa tatctacaac gagaaaggca agggctctgct 180
cgtctagaga attttgcttc tgcactcgaa ctgattggac aaaagctcca aatggataca 240
ctgcaaagtc gacttgatgc agagtccctt ctagctcata tgtgttcagt caagtttaag 300
gaatggatcg tggtgctagc tacttta 327

<210> 20916
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-D3

<400> 20916

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gtcgctcagg tttcgagggg cttcgcgctc caggccgcta agcccaccgg gaaggagatc 180
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tccaagaaga gcccggttgtt ttctcaattc ataaaggact tgtcagttcc aaaagcgacc 360
agggtgaagg ctatagccga aatatttgct gacgcctggt tttcagat 408

<210> 20917
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-D6

<400> 20917

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cagttcaagc agtttgatac tgttcaaaaa tttctctgac cattactacg ctaagaattc 360
tcatggag 368

<210> 20918
<211> 387
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-046-Q1-K1-D7
<400> 20918

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tcagaactct gctatttaag tccgccatgt ttgtgatgga gaactgaagc tttgtttgtt 360
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<211> 432
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3062-046-Q1-K1-D8
<400> 20919

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 gaggcagga agtgatatta cacgctgttt ctgatgaag cgggatgctc attaccctag 360
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 ccctaagcaa ct 432

<210> 20920
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-D9

<400> 20920

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 gctttggagt ttactagggt gctcaaacc aagcggcagg tggtagccgc gaccctgcat 360
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<210> 20921
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E1

<400> 20921

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tgtcccgggc caccttcgag gccgtgtgcg aggagctggg cgccgccgtc gccaaaggagg 240
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tcgccaccgg ggagccgctc cgccctgtgt ccaagcgctt cggcctcggc atctccacct 360
gccacaagct cg 372

<210> 20922
<211> 254
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E10

<400> 20922

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gacgattatg atttagttac acgaaatgca ctgttgtgat gctacttggg gtgcgccact 180
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ttaaatgttt tctt 254

<210> 20923
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E11

<400> 20923

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atgaggaacc caggaatgat caggtgaaag aagatgttgc attggaaaca gagccatgtg 180
aaccagtatg gcctattgtt gagcctgcta agatgcattc attgtcaatg aaagaagaca 240
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<210> 20924
 <211> 426
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 20924

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gtaagggtagg tttgggccct gccacatttg taccctnggt tcctttcatt ccggggcttg 360
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<210> 20925
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-C7

<400> 20925

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acagcgacgc tcgccgacca gctaggatcg gccgtgtttt tctgcagcgg gtcctctagc 240
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atagaggtcg agggaaagct gttgcgtgcc ggcaagtcag tcggtgtcgt ctctgtcgat 360
ttcaggaaga aaaagacagg aaaactgatg gcgcaggccc gtcacaccaa gtatcttggt 420
gcatcaagc 429
  
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<210> 20926
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-B10

<400> 20926

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ttcgacgatg tccaggtgaa cgatatctcg ctgaacgact acctggctgt gactgcggcg 180
aagcacgcga cattcctgcc gcactccgcg gggcgctact ccaagaagcg gttccgcaag 240
gcgcagtgcg ccacgcgcga gcgcctcacc aactcgctca tgatgcacgg gcgcaacaac 300
ggcaagaagg tcatggccgt ccgcacatg aagcacaccc tggagatcat ccacctgctc 360
actgacgcca atcccatcca ggtggctcgtg gacgccatta tcaacagtgg accacgtgag 420
gatgccaccc gtattg 436

<210> 20927
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-B11

<400> 20927

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tctcagccgt ggcgggggtg gtgcagcccg aggacgcggt gaagctcttc aaccgctgga 120
ccttcgacga tgtccaggtg aacgatatct cgctgaacga ctacctgctt gtgactgcgg 180
cgaagcacgc gacattcctg ccgcactccg cggggcgcta ctccaagaag cggttccgca 240
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accgcaagaa ggtcatggcc gtccgcatca tgaatcacac cctgaagatc atccacctgc 360
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aggatgctca cccgtattgg ttc 443

<210> 20928
<211> 359

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-046-Q1-K1-B2

 <400> 20928

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 ccgtcgcaat gtttgcccat gtgccatccg tccacgatgg agatgcagca agtcaagct 120
 ggacacgtga cggcaccacc acctgtgcca ctgggccctt cattgatgat gcagcagcag 180
 cagcagcaac cttcacaagc tgatacagtg ataatggcac aaccgntctt gccactcgac 240
 ccttcattga tgcagcagca gcagcagcct tcacaagctg atacagtgat aatggcacia 300
 ccgcctctgc ctcttggtc tgcatgctt cagcaacagc cttcacaggg gggcacgat 359

<210> 20929
 <211> 406
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-046-Q1-K1-B4

 <400> 20929

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 atgactggcc atctgacggc acgaagtgat gtttatggct tcggagtggg gcttctagag 180
 atgattatcg gaagaagggc tgtggacaag agccggccaa gccgtgagca taacctagtt 240
 gactgggcac ggccccctct cgtccataac aggaagctgt tccgaataat cgatccgaga 300
 atggaagggc aatactccac caaggctgcc actgangtgg caagccttgc ataccgctgc 360
 ctgagccaga naccccaagg acgaccaacc atgagccaag tcgtcg 406

<210> 20930
 <211> 394
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-046-Q1-K1-B5

 <400> 20930

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 cgatcgttct cgatcaaggt cgggtggccat ggctcgctgc cgccatcacc tctctctct 120
 tcccgcttta cttgccttgg ctgctgctgc tgcgcggcag gcgcagagtc atggggaagc 180
 ctccgccgtc ttcacgatg cctcgctgca ccgctacctt cgggaccagc aagccgacca 240
 ccaggacgct tcaatgtcga taaatgaagt ttctgcggtt cgttctgtct tgcttggctt 300
 tgcaccgtca acatccctac cagctatctc ttcttcgaag ttgaacaaag ttcttcttcc 360
 ctatccatt gatagaccgc gtgctggttt cctc 394

<210> 20931
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-B6

<400> 20931

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 tatttccatg tgaaaccaga gttttttag ctatggctca gtggctccat gaccatgtct 180
 tatgcacact tacgaatttg atatcatcca agtcacaggt tgtgctcatc aatacttgga 240
 taccatcact tattcgtatt gggttggctt ttggctctca catttcttcg tattgggttg 300
 gtcttttgaa attgggcctg atagctgttt ggagtatagt gtatggatct gcgttcataa 360
 tgcgagcagc agcgcattga aattgggttac ggcaattgtg c 401

<210> 20932
 <211> 71
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-C10

<400> 20932

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<210> 20933
 <211> 426
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-046-Q1-K1-C11

<400> 20933

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 ctttctctcc tgcaataatg gccgctcgct cctcctcctc ccagccgcag ctggtcgcgg 120
 cggcgggcgt cctggcagcg gcgctgctgc tgctggcggc gggggccggg acggcgtcgg 180
 cggcggtgag ctgcggcgag gtgacgtcgt cggtggcgcc gtgcctcggg tacgcgatgg 240
 gcagcgcggc gtcgccctcc gcggcgctgct gcagcggggg gcgctcgctc aacagccgcg 300
 cgctcgtcggc ggcggaccgg caggccacct gcaactgcct caagagcatg acgggcccggc 360
 tcggcggcgg cgtcagcatg gccaacgccg ncaacatccc cggcaagtgc ggcgtctccg 420
 tcggcg 426

<210> 20934
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-C2

<400> 20934

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 tcatgtctga tctcgacatt cagatcccaa ctgccttcga tcccttcgct gaggccaatg 180
 ctggggactc tgggtcggca gcagggtaaa aggactacgt acacgtgcgc atccagcagc 240
 gtaatggtcg caagagcctg accaccgtcc agggattgaa gaaggagttc agctacagca 300
 agatcctcaa agatctcaag aaagagttct gctgcaatgg tacagtggtc caggacccag 360
 aacttggaca ggtcattcag ctccaggggtg atcagaggaa agacgtctc 409

<210> 20935
 <211> 390
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-046-Q1-K1-C3

<400> 20935

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cgtcataccta gccagctcca tcgtgttcct cctcgacaga ggccaggaag agcaagtgca 120
agtggcagtc gagcatggac gccaagaagt gcaggtgaag ctggaatccg ggctgcaaga 180
accggcgata agagggacaa cccaagaggg ggacgccagc aacgaggagt gcaactggtc 240
caggggaaag tgggtctacg acaacgtgtc ccgcccattg tacagcgggc tcaagtgtc 300
cttcatcttc cccgaggtgg cctgtgacaa gtatggcang aaagatgcca tgtaccagca 360
ctggagatgg cagcctcatg gtcattggatg 390

<210> 20936

<211> 378

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-C4

<400> 20936

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gaagtgaaca ggcgtttgag gcctggcgga tatgttgtat ggacatcgaa tttgaatata 120
catagggcct tgcgagacaa agaaaaccaa aagaaatgga cagccattcg tgactacgct 180
gagggccttt gttgggagat gctgtcacia caagatgaga caattgtatg gaaaaagacg 240
aataaaaggg aatgttacaa atcaagaaaa tttgggcctg agctatgtgg ccatgatcca 300
gaatcaccat actaccaacc actaaacccc tgcatatcgg gcacaagaag tcagcgggtg 360
atccccattg aacaccgt 378

<210> 20937

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-C5

<400> 20937

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tcaactcatca aagccagatt tccatacctt tttactgcta tcgaaacccc acaatacagc 180
acacaccaaa caagacattc cgcacaatgt atctaaactt atcaaaagat actagggata 240
ccacaacact taaccacact acctcaaatt actcaaatga tccatacaat tacacgacat 300
a 301

<210> 20938
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-C6

<400> 20938

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tacattatgt tcggtgaatc tacagagtcc caattcacac tgaacttacc cccaaatctt 180
gcggcttcca agattgccgt ctggactacg gtgactaatc caataaccaa atatgcactg 240
accatgactc ctctagccct tatttttgta cgaactgcta cctccaaata tacagacata 300
cccgaacata atgatactta gatcctctct ggtgctatct atccttatta ttactctgac 360
cgttccattt tttggacttt tcatgtcaac tgtcaagtct tttctacca tgttcgatgc 420
ctatattcta 430

<210> 20939
<211> 313
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-046-Q1-K1-B1

<400> 20939

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gaggcgctg gaggagcggg atgcggcggg cgaggctgcc gccgggtccc gtcccgcagg 120

cgccggggga cgcggggccg gaggtgaagt accgcgggggt gaggcggcgg ccgtcggggc 180
 ggtacgcggc cgagatccgg gacccggcta ggaagacccc gatctggctg ggcaccttcg 240
 actcgccga ggccgcggcc cgcgctact acgccgcagc caggaccatc cgcggcggcc 300
 ncgcgcggac caa 313

<210> 20940
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-H2

<400> 20940

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 gcttcttga aatgctctga agaatcattt gcacatcaag tgaagatcag agatcctctc 180
 aagattgggtt ttcctaattt atgggcgttg cgacttgac gccagctact tgtgtggcat 240
 cctgaggatc ggctaagtgt cgatgaagca ctaaatac cttacttcca ggagccaatg 300
 taatgtaagg agaggagatt agtgataact aaccgacgaa tcttcagctc agtcctttca 360
 agttcaagcc gcatgcattt ggtagagga attcatgaat cgtttgtaat taccatccta 420
 gctgtgtcat aagatgttgt gaatattaca tgaagt 456

<210> 20941
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-H3

<400> 20941

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 aagaagttgt tgacaaaata ttttaaagag caccacatg acaatctacc agagttttca 180
 aacaagtata tcacttttcg tcggggcatt ggaattgatc gaacaactga ctactttttc 240
 attgagaaag tagatgtaat gatatccga gcttgagggt cattgctcag ggttaccagg 300

attgaccggt tattttctaa gaaacaacat ttgaagccaa agaatggtac gaagaagact 360
 gatgaaatta atgaagatga agaagatcca gattgtttgt tgagagaatt cgattagaaa 420
 aattgaacta agtttgaaaa atctcatgag t 451

<210> 20942
 <211> 484
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-H4

<400> 20942

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 ggggattctc cgacgtcctg gtcgcgagcg agcactacgt ggtccgcgtc cccgacggcc 120
 tggcgctgga ccgcaccgcg ccgctgctct gcgccggcgt caccgtgtac agcccatga 180
 tgcgccacgg cctcaacgag ccgggaagc acctcggcgt cgtcggcctc ggcggcctcg 240
 gccacgtcgc cgtcaagttc ggcaaggcct tcgggatgaa ggtcaccgtc atcagcacgt 300
 ccgccagcaa gcgccaggag gccatcgaga acctcggcgc ggacgagttc ctcatcagcc 360
 gggacgagga ccagatgaag gcggcgacgg ggaccatgga cggcatcatc gacacggtgt 420
 cggcggtgga ccgatcacg ccgctgctgg cgctgctgaa gccgtggngc agatggtgat 480
 cgtg 484

<210> 20943
 <211> 257
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-H5

<400> 20943

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 acatatgtta caaactttat gggccatctc atctcttggc atactatcac tctacgcatg 180
 atgcgtgcag agtcttttgt gaaccttggg gagcctaata ttccggtggc atgagctaca 240
 gatacaccta agtatca 257

<210> 20944
 <211> 500
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-H8

<400> 20944

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 gtggcggcgg cgctgctggc ttcgtccgct tcggcggcga tcacctgcgg gcaggtgggg 180
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 gcgtgccgct gcctcaagag cctcgccaac agcgtcaaga gcgtcaacat gggcaccgtc 360
 gccaccatcc ccggcaagtg cggcgtctcc gtcggattcc ccatcagcat gtccacogac 420
 tgcaacatga tcagctaagt tacgacgacc aagcttataa gcctaccgaa cgtacacgta 480
 cgcnccgngc gctgcacgag 500

<210> 20945
 <211> 420
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-H9

<400> 20945

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 cctccgaacc agcagtacta tggtcagccg ccaatggggc cgcagcaagg ctatcctcaa 180
 cagccagatc cctatgctag gcctccatac agtggacctg gtcaatggcc tcccaggggt 240
 gctccggctg cagatggctc ttaccaggcg ccagctgcat cttatggtgc cgcttctcag 300
 cacccttttg cttatgggca aacgtacagt gcagcaactg gatctgatgg atatgctcaa 360
 caaggttacc cacagcangg tgggcaggca ccagctccat atggtcagag tgcaccagca 420

<210> 20946
 <211> 431-
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-A10

<400> 20946

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 ccaagattcg gtcggcgag gctaccgcc gactgccgtg tcgccatgtg ttccaccggg 180
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 tcgccgacga ccttgttatc tggttctcca ccgtgcttgt tccccgtttc tgatgcaaaa 360
 ttcttcgtc tgttcgttcg ttgaaaaag cttgattggt gtgtattttt ttatttgc 420
 gcatgataca t 431

<210> 20947
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-A11

<400> 20947

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 gcgtcgtgct gccggtgctg cgggcctggc tcggcgctgc gtcccgcttc ggggttcgcc 240
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 ggccgcagcc gcggccgtgg ggcagcaggt tccgtctc 398

<210> 20948
 <211> 404

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-046-Q1-K1-A12
 <400> 20948
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 agctgtgatt tgtacggaca gagcttgaaa cataatccta atggacgggtt cgttgtttgta 120
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 gcagagcgta tttttggtgg ggtattgtag acaatgtgtt ctagtgattt catctgcttt 360
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<210> 20949
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-046-Q1-K1-A2
 <400> 20949
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 gtcgactgtg accacgagtg tgattcatcg gagcctgatt catgtgattc gggttgcaat 180
 ggtgggctaa tgacgacggc attcagttat ctccagaagg ccggtggcct tgagagtga 240
 aaggattacc cttacactgg gagtgatggc aaatgcaagt ttgacaagtc caagattgtt 300
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<210> 20950
 <211> 391
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-046-Q1-K1-A4
 <400> 20950

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cgcatctcgg atctcccga cgtcctgcgc ctgcacattc tgagcctgct gccgctcaaa 360
tcggccatcc gcaccggcgc gctctnctcg c 391

<210> 20951
<211> 376
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-A6

<400> 20951

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gtcgccccgt cctctccgtc gctggccctg aggccatcgc agagcaaggt gctgtgcgtc 180
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tgcaccaccg agcttgaagt tgatgttcca tgctcgggtg cctatcaggg gtactcagaa 360
ctgtagacta tttctc 376

<210> 20952
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-A7

<400> 20952

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agcaaaggtg tcataaagct agcagacttt ggtcttgcaa gggaagtctc atcattgcca 180

ccatatacag aatatgtctc aactcgctgg tatcgggcac cagaagtctt gctccagtca 240
tctgcttatg attctgcagt tgatatgtgg gcaatgggtg ccataatggc tgagctgttg 300
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gtcaatcgta gtccagatga gcaatctt 388

<210> 20953
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-A8

<400> 20953

ctcatgcctg aagacacata caagggacat ggtttccgca cagaacttat atgcatgggtt 60
ttggatttga aaccacgatt cttgagattt cctggagggtt gttttgtaga aggtgactgg 120
ctaagaaatg cattcagatg gagagagtca attgggtcaat gggaagagag gcctggacac 180
ttcgggggatg tttggcatta ctggactgat gatgggcttg gatattatga gttccttcag 240
cttgcgaggg acctgggtgc tgccccaatc tgggtattca acaatggaat aagccacaat 300
gatgaagttg atactgtagc tattgcccct tttgtaaagg atgtattgga cagtctggaa 360
tttgcaaggg ggagtgcaga ttcaacatgg ggctct 396

<210> 20954
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-A9

<400> 20954

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cccctggcga tctctggtg tttctcacag gtcaggagga aattgaaaca gttgatgaaa 120
tccttaaaca cagaacaagg ggcttaggca ccaaaatctc agaattaatt atatgtccta 180
tttatgcaaa tctgcctacc gagcttcaag ctaagatatt tgagccaacc cctgaggggtg 240
cccgtaaagg ggttctggcc actaatatag cagagacttc attaaccatt gatggtataa 300
aatatgttat tgatcctggc ttttgtaaga tcaaatcata caatccccgc acaggaatgg 360

aatctctact tattaatccc atctcaaaag cttcggcaaa ccagagggct ggaagatctg 420
gacgcac 427

<210> 20955
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-H12

<400> 20955

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gtctctctg ctgggagaat cccagtgatg tgctcgacag cgccaagcta tgcgactgct 120
ccaacgccaa taactgcagg agcaccttca gccagagtct gttctgctat caacactctc 180
aactacaaca tgacacttat cactcacgcg acaagcattg ctcatgctat agatcttgct 240
ccaataatcg cgtccctaaa cttgacaaca attaattact atcgtctaga aataccctca 300
acattctga gcacacttgt tcagtcaata acatagcatc agacagtcac atactctaaa 360
aatgattctc tctacgctga at 382

<210> 20956
<211> 344
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F5

<400> 20956

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gatgactaag cgcaccaaga aggctggaat tggtggcaaa tatggaacca ggtatggcgc 120
tagcttgctg aagcaaataca agaagatgga ggtatctcag cactccaagt acttctgcga 180
gttttgctgg aagtttgctg tgaagaggaa agcagttgga atttggggat gcaaggactg 240
tggaaggctc aaggctggcg gtgcttacac catgaacact gctagtgcag tcaactgcag 300
gagcacgatt cgtcgcttga gagagcagac tgaacatga tttta 344

<210> 20957
<211> 331
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F7

<400> 20957

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gcttggtgag cgaccgggtg gccgccgca gctccagccc cgccgcgcgc atcaggtgcg 120
cgaggtgccc cgcaaggcc cgcgtcgccg cgcgggcttg ctgggcgcag gtggtgaaga 180
gctccgccgt cgccgcgcgc cgtttctgct tggaggcgcg gacgtggtgg tggcgcccgt 240
tgccggcggt ggtggccgcc gcgagcttct ctttgagcgc gttcaactcg gctgacctgg 300
actggagctg gcgctggagg tcgtcgagcg c 331

<210> 20958

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F8

<400> 20958

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gctcgccatg taacgtgct gcggccctg atactgctgg cctcgccggc agtcactcgc 120
ctagcgtccg ccgctgcgc agacgagaag ttccggcgcg ctgctgcgta ctgctcatgc 180
gaggacctgc cgaagctgct cgcgtcgctg cactggacgt acgacgcgta caacagctgc 240
ctgtccatgg cgtgcgcggc ggcacccgat attacagctg atcactggcg tatggcctga 300
acccaactgg cgatgtcata cactgtgcgc atgcacttac ggcgctt 347

<210> 20959

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F9

<400> 20959

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gctgaggcct tcacgatct cttagccgtc gacaagcacc caagagatgc aggatagaat 120

gagacggcag ggccaatatg gtgaagcgga tattaactcc atgggttgctg cccagttgca 180
tactaccag gcacagcaaa gggtagagaa acaccctgag aatagctaca ctggaagaga 240
tcctgcacaa gcttctgcgg agcatcagta cacttcccct aaggcaagac agagtcaatg 300
ggatcgaggt ggaccaaagt 320

<210> 20960
<211> 264
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G1

<400> 20960

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gtcgaggacc tccgcgaaat ggggggaagg acgtcgaggt tctgccgacg tgtccctggc 120
cggcgctggg cctgtaggac cactccgtcg ggcacgggca cccgtgcgcc cgcgtgcaca 180
gtggcttcct gtccttgtag acggagccac ccaagcctgc caaagacacc aactccgaca 240
tggcgcttctt tgtcaacggc agcg 264

<210> 20961
<211> 79
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G10

<400> 20961

aattccctag cagaccgact cttcatctcc actctaacta ttgccaacgt ttttactctt 60
actctaataa ctcacacta 79

<210> 20962
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G11

<400> 20962

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 cggatttcta tgatttccat gtctatactg attctaagac tttgtttaac atgaggagca 180
 catttgacag aacatctcgt agtggaccta aggcttttgt gagcgagtac gctgtctgga 240
 gaagtgcgc gggtagaggc agtcttcttg ctctgttggc tgaagctgct ttcctcactg 300
 gtctggagaa gaacagtgat attgttcaga tggcaagtta cgcaccactc ttcgtgaacg 360
 acaatgacca aacgtggaac ccggacgcta tcgtcttcaa ctctggcag cactatggaa 420
 ctctagcta ctggatgc 438

<210> 20963
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-G12

<400> 20963

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 accagatcac ttgttaaacy tttgttgagg ggtgatggcg gtttctttcg caaacctcaa 120
 caccgaggca gggcttaaaa agcttgatga gtaccttctc actcgcagct acatcactgg 180
 ctaccaagct tccaaggatg acttggtctg ctacacttcg tttcgtctg ctccctcgtc 240
 caagtatata aacgtagcaa ggtggtttaa tcacattgat gcgctcgtga ggctgagcgg 300
 aattactgca gagggccaaag gtgtgaagg tgaatcctca gcagttcctt cagccccaac 360
 ttcagatgtt gctgaagcac atgccccagc tgctgangag gaggacgatg atgatgttga 420
 ccttttttgt gaggagaccg aagatgagaa gaag 454

<210> 20964
 <211> 439
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-G2

<400> 20964

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ccgccaaatg ggccccaaaa ggaggcggta ggcccccgtc ccccgccaag aaaaaggcgg 120
 tggtganaaa cccgctcttc gagaagaggc cgaagcagtt tgggatcggc ggcgcccttc 180
 cgtccaagaa ggacctccac cgcttcgtca agtggcccaa ggtcgtgcgc atccagcgcc 240
 agcgccgcat cctcaagcag cgccttaagg tgcccccggc gctcaaccag ttcacacgta 300
 ccctcgacaa gaaccttgca acaaacttgt tcaagatgct tcttaagtac cgtcccgagg 360
 acaaagctgc caagaaggag aggctcttga agagggccca ggctgaaaac gaggggaaaa 420
 cttgtgagtc aaagaaacc 439

<210> 20965
 <211> 340
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G3

<400> 20965

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 cagagaacat gggaaagagt tatgctagct tctttggagg accatgttgg tgtggcaacg 120
 ggtgatgaga aaattgcaga atgctgtcga agatttggag ctgatgttat aatgacatca 180
 gcatcttgca aaaatggatc tgaacgctgc tgtgaagcac taaagaagct tgataagcac 240
 tatgatattg gtgtcaatat tcaaggagat gagcctctca ttgaaccaga gattatagat 300
 ggtgtaagta tgtcactgca gcgagctcct gatgcagtct 340

<210> 20966
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G4

<400> 20966

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 tttgcagcaa gtttacattg acatgtttga tcagattgat gaaacaatga aagaagctat 120
 tcaaagagac tgtacacgct atgctcctgg aattgaaatc atcagtgttc gtgttataaa 180
 gccaaatata cctggtagta tcagaagaaa ctttgaactt atggaggagg agcgtacaaa 240

ggcactgata gccatcgaga agcaaaaggt agcagagaag gaggcagaaa cacagaagaa 300
gattgagcta tctgaagcag agaagaacgc gcatgtgagc aagatcctga tggagcataa 360
gctgatggag aaggacagtt ccaagagaca ggagaagatt gataatgaaa tgtacctggc 420
acgagagaaa gcactagcag atgcaaacta ctacaggatt ttgaaggaag c 471

<210> 20967
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G5

<400> 20967

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ggatcgctga cgcttcgcgc ttcgacggcc gctcgcgcgc tgcagcgacg ccggctgctc 120
cccggacggc agcgcgcgac gtacgtccgc gccacggcct ccgccggcga gccggacctc 180
tccgtgctgc tgaacgggct gcagatgcc aaccgcttcg tgatcgggctc ggggccaccg 240
ggcaccaact acaccgtcat gaagcgcgcc ttcgacgagg gctggggcgc cgtcatcgcc 300
caaaactgtg tcaatggatg cttgaaaagg tattccaccg tacttctctg taatgcaaag 360
cttcgggcag aaccaattgg ggctgccatg g 391

<210> 20968
<211> 481
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-045-Q1-K1-G6

<400> 20968

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ggcatgaaga cgccgcaggc ggtggtggcc gtgctggtgg cggcggcgct gctggcttcg 120
tccgcttcgg cggcgatcac ctgcgggcag gtggggctgt cgctggcgcc gtgcatcccg 180
tacgcgacgg ggagggccag cgcgctcccc gcgtcgtgct gcagcggcgt caagagcctc 240
aacagcgcgg cgcggaccag cgcggaccgt caggcggcgt gccgctgcct caagagcctc 300
gccaacagcg tcaagagcgt caacatgggc accgtcgcca ccatccccgg caagtgcggc 360

gtctccgtcg gattcccat cagcatgtcc accgactgca acaagatcag ctaagttacg 420
 acgaccaagc taatatgcct accgaacgta cacgtacgcn cctggcgctg cacgagtgat 480
 g 481

<210> 20969
 <211> 252
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-G7

<400> 20969

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 gctgtgttgg ctgccatcac ctcagctcag cagaggttga agctctacaa caaagtgctt 120
 nctaacggat tggttctgta cactggaact attggttactg aagacggaaa ggataagaaa 180
 gttactatng attntgagcc attcaagcct atcaatgtat cactctacct ttgtgacaac 240
 atgtccacac tg 252

<210> 20970
 <211> 265
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G8

<400> 20970

taactctaca caattcctcc taacttatcc ttctacacac tgaactatgc tactgatact 60
 caaaccacac aaattactac gattttgacc attcaatcct atcaatgtat cactctacct 120
 taagacaaca agactccaca ctcagctcta aacacctctc aaatctatca catgtctaata 180
 acattgttat catcgtaata acctctcttt gcacactaaa tgacattacc cgtgaattcc 240
 tacacaaata cacttttgac ctccc 265

<210> 20971
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-G9

<400> 20971

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ggtgtcgcgc atcgactacg cgccgtgggg cgtgaacccg ccgcacgtgc acccgcgcg 120
caccgaggtc atcttcgtcc tccagggctc gctcgacgtc ggcttcgtcg atgccaccgc 180
caccgccacc ggcggcagcc gcctgtacgc gcgcgccgtc ggcgccggcg aggtcttcgt 240
cttcccccg tgcctcgtcc actaccagag gaacagcggg ggcagccccg ccgccgtcct 300
ctccgccttc gacagccagc tgcccggcac gcagcccgtc gccgaagccc tcttcggcgc 360
ctcgccgacg gtgcccaccg acgtgctcgc caggagcttc caggctcgacg gaggactcgt 420
ggaggccatc aggtccaact 440

<210> 20972

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-H1

<400> 20972

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ttgtcagggt tgtgaacaat ccggagatca tcgatgaagc cgatgtacac gtgcatgggt 120
aagttcaaga ttgtcagcct gaaagtcata aggcgggtgg agtacgtgcc tgaactgact 180
gatgagcaga aggaccaggt ctcggtcgag caaatatcgc aggtagtatt ctcggatgct 240
gatcgcccaa gccca 255

<210> 20973

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-H11

<400> 20973

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atctctcggg ctgttagtat tccagtgatg tgctcgtcag ggttaagctc ggtgactgca 120

ccaatggcag taactgcagg agctgctgga gttggagtcg gttctgctat taacaaactc 180
aacgacgttg tggcaatgat cgctgaggtg agaagcattg cgcaagcaat ggagcttgcg 240
ccaagaatcg tgtccgaaaa cttgagaaca attagttact agtggctagg aatacccttg 300
ccatttctga gcaaacttga gcagtcaata agaaagcata agagagtcac cgactctcaa 360
tttgattctc tctacgtgt cttttgcttg tggcaatgaa tagcgcatta gcatcataga 420
agtattag 428

<210> 20974
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-D7

<400> 20974

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ggccgcccgc gccgccatgg ggaggggaaa gttcaagggg aagcccacag gccgccgcaa 120
cttctccaca cccgaggaga tcgctgctgg tacttcaggt cggccacgca cctttaagaa 180
gaaggaggaa gaggaagatg aggaagaggt agaaagagaa gagtctgagg aagaatctga 240
agaggattct gatgaaaaga ctaaacataa aggcaactgaa ggtattattc agattgaaaa 300
tccaaacttg gtgaaagcca agaataaaa ggccaaggaa gttgattttg gcaagacaac 360
tgaactctca aagcgtgaaa gagaagagct tgagaaacaa aaagctcatg aa 412

<210> 20975
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-D8

<400> 20975

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ggcttccatt acattggatc gttcgaggc tctaattgatt ccctttgcaa gtcgctgcag 120
tctgttgctg atgttctact tgttctcgtc tgtttcacat ctcgtgacag cttttactgc 180
tgtggcctca gcattggcac tgttcttttg cctgtctcca cacatcacct atctcaaggc 240

acgattcaat ctaatggacc cattcatgtc cagatgttgt tcgaagtcac ttacacgggt 300
gcaagggttg ctgatgctct tctgcatagc cacagtctta gcttggttgg tttcagggca 360
ttggatgcta aataacctac tggggatttc atatgtatag cgtttgtcag ccatgtgagg 420
ctttccaaca taaagatctg ggcaact 446

<210> 20976
<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-D9

<400> 20976

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ggaaggagtc tgaatactct ggccattctg ttctgttgg tggctcttgc tactatgtaa 180
ctgccccatc aagtttggct gatgtccttg caaatccatt ccatgcactg ttttatgtgg 240
tcttcatgct gtcagcttgc gctctgttct caaaaacgtg gattgaagtt tctggttcat 300
cagcaaagga tgttgctaag cagctcaagg aacatcaaat ggtgatgcca ggacatcgtg 360
agtcaaactt gcagaaggaa ctgaaccgat acattcccac tgctgctgca tttggtggag 420
tatgcatcgg cgcattgact gtctggctg atttcatggg 460

<210> 20977
<211> 198
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-E10

<400> 20977

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cgagcactac caaacgtttc ttgtaaccac catacccaac atcacacaac aacatcaacc 120
ctacacacac taacgcacac acacatacca tcataacga gccaacatca caactgaagc 180
taccacaact gacaccaa 198

<210> 20978

<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-E12

<400> 20978

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caaaaactaa gtgttgccat gaagttcaag ggtcaactgt tccaacttat gcaaagactg 120
gaaagtacaa caccacactt tattcgttgc attaaaccaa ataatttaca acttcttgca 180
atztatgaac aaggacttgt gcttcaacaa cttaaagtct gtgggggttct cgagggttgc 240
cggatttcaa gatctgggta tccaacaaga atgactcacc agaagtttgc tcggcggtat 300
ggctttcttc ttcttgagga tgttgcatct caagatccac tcagtgtttc agttgcaatt 360
cttcatcagt tcaacatttt acctgagatg tatcaagttg gctacacaaa gttgttcttc 420
cgaactggac agattggcaa ac 442

<210> 20979
<211> 384
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-045-Q1-K1-E2

<400> 20979

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accggccaga ccttcctttg gcgcgcgacc tncctctccc cgctccgctt caccggtgcc 180
gtgggggtccc acctcgctct cctctccac ctgcccgaact ccgacgatgg ccgcctcgca 240
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gcagatgagc gcttcgctga tgct 384

<210> 20980
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-E3

<400> 20980

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gatccttatgt ttggtggaat tactatagtg tgtggaatta ttggatcact agcaggaggt 180
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acattttagt gggcaatatt ctgctttggt gctttttggt tcaagagcct ttatgggttc 300
ataccctcct ttgcagttgg ggagctttca gtgttcgcaa ctcaggcacc tgtaaatttt 360
gtatgccttc acgccgtgaa gccaca 386

<210> 20981

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-E4

<400> 20981

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gcgcttcctg gtggccgtgg tcgtagcgtg cgactcctg gccagcaaca actgccacgc 180
ggcgcgccgc ttggccgaca cggccgcggc tcccgtgct gctggtgccg tccctggcct 240
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gccggccgtg cccgcggtca ccgtgccgca gatgactgct gccgccatgc cagcggctcc 360
caaggtggcc gtgccgttgc cgtcaatgcc cgctcgtccc tccgtgcttg ccaagctgac 420
cct 423

<210> 20982

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-E5

<400> 20982

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gtcgtccgcc agcgcaagcc gtggctccgc aaggactgtg tctacatgta cttcgaagat 120
aatgctggag tgattgtgaa tcccaagggg gagatgaaag gttccgctat cactggacct 180
atcggcaagg agtgtgctga tctttggcct aggattgcta gcgcagcaaa cgccatcggt 240
tgagagcttg ttggaatatg ttcagacttc tatatgatca tcttattatc agttgctaag 300
agtgtatttg ggcttaatgg gccctttatg tttgttact caaatttgta gtaaacagaa 360
tttggtatca caaggtgatc tatatatcaa tgtatgccat aaattgtctg act 413

<210> 20983
<211> 267
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-E7

<400> 20983

cccaccgccg ccgctgctgc tagggagctt ccacccgcgc gcgcctacaa cgagagctag 60
cagcagtagc ggccgttatc ttgtcgctcc ggctccgttc gtgtacccaa gtcccagcct 120
agatgccgca gatggagggg tccactgata agatcgccgc cggctgggtc gctaaggagc 180
cggctttcga gcggcccggt ggcttgccga ggaccggctc ttacagtcgc cttaacgcgc 240
atgcgccgga gttcgtgccg cggggggc 267

<210> 20984
<211> 468
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-E8

<400> 20984

cagccagctc gagcagaagg ggcggtaccg caacgtgctg gacatgaacg cgcgcctggg 60
ggggttcgcc gcggcgctgg cgctggccgg cgacccgctg tgggtcatga acatgggtccc 120
gaccgtggcg aacgcgacca ctctcggggc catctacgag cgcggcctca tcggaagcta 180
ccaggactgg tgcgagggca tgtctaccta cccgaggacc tacgacctca tccatgcgga 240
ttcgggtgtc accctgtaca aggacaggtg tgagatggac cgcacccctac tggagatgga 300

caggatcctg aggccaggg gcacggtgat cgtcagggaa gacgtggaca tgctggtgaa 360
 ggtcaagagc ctggcggacg ggatgaggtg ggagagccag atcgtcgacc actaagactg 420
 tccgctcgtc agggagaaga tcctcctggt cgtcaagacg tactggac 468

<210> 20985
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-E9

<400> 20985

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 ttccacacac gcgcgcacac acacatggcg tcgcagcaga ggcaacagca ggccgggagcg 180
 gcggcggcgg cgctcctcgc cgtgggcttc gaggactacc tgccggtgat ggccgggagcg 240
 ctgggcgagg acgggctgat gcgggagctg gcgagcgggt tccggctgct gatggacccg 300
 gcgcgcgggc tcatcacctt cgacagcctc cgccgcaacg cgccgctgct gggcctgggc 360
 ggcatgtcgg acgccgacct ncgcgggatg ctgcgcgagg gcgacttcga cggcgacggc 420
 gcgctcagcg aga 433

<210> 20986
 <211> 336
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F1

<400> 20986

acgagagcat tgatatcaca aagatcacac cttctacatg agtcgctcta cgtaatgatc 60
 gctagtctgc ggcattctgat cctaccaagc agtggtgatc cattgggtcaa tctcacgaac 120
 gtttagaagg ctccctgattc tacatatgat atgattggag gccttgacca gcaaattaaa 180
 gagatcaaat aggtcattga gctttctatc aaacatgcgg aactatgtga gagcctctga 240
 attgtccacc ccaagggtgt gcttctttat ggacctacga cacatgatcg acattgatgg 300

cacgtctctg tgctcatcag acttactgca ccttca

336

<210> 20987
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F10

<400> 20987

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ggtgcgtcgg cggaggagat ccggcggctg ccggccgagg tgaactggga gatgctggac 120
aagtcgcggt tcttcgtcct cggcgcggcg ctcttctcgg gcgtgtcctc agcgtgttac 180
ccggccgtgg tggatgaagac gcacctgcag gtggcgccgt cgccgcacgc tgccagagct 240
actgccgccg ccattctacg gcgggactgc ctgcgggggt tctaccgagg gctcagcgcg 300
tcgctgggag gcacggtgcc cgctcgcgag ctgtacatgg cggcgctcga ggccaccaag 360
agctccgggtc ggtcggccga cgttcggctg ggcgtgtc 398

<210> 20988
<211> 65
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F11

<400> 20988

gacttcttcc tccctcttcc tacgacacca ttatctttta ttctctatct acgtctcagt 60
cctac 65

<210> 20989
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F12

<400> 20989

cgctgtcgtc ctgcctcacc tcgtccgtcc tcgtgagctc cgctgcctt ccctctggac 60
ggctccagcc tccagccatc ttgccccacc tgtacacagt tacaagctt ggcacttcgc 120

agttcgact cgcatgctct tcgccccctc gcgcttacgc ctgcgcgcgc tcccgactcg 180
 ccgcctccgc ctagctccgg gctctccaat ggctccatg ctgcgccatcc tcaggccctc 240
 ggcgccggcc ccgctcgcg gacgccgggc cagggtgcc gcgcggcgga ccgcgaggg 300
 ggcgctatct accagatcta ggtattcgtc agccagggtg tcgctcggtt ccgaggttgc 360
 agtgggcgcc gacgcgctct tcgccgacta taagcccacc accgctttcc tcttccccgg 420
 ccagtgtgcc caaacggtt g 441

<210> 20990
 <211> 204
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F2

<400> 20990
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 cactctctgt cggggggggcg tcttcgccat ggtgtgggtg gccttcgact aggcctcgat 120
 cgagatcggt gcgatcaaat cggcgcgcg cgtgtcaatcc gtggcgcatc tgcagctcca 180
 ggccccctgta ctccggtgcc tctc 204

<210> 20991
 <211> 452
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-D6

<400> 20991
 gccatctaag gaggaggtgg cctgttcata ttgtgaaaca tcatgatgct tattttgggg 60
 gtcttaagct atcttctctg gcacatcaat gatttcatga gcttcaaggc ccctttattt 120
 taaaagttga ttctttgcat aatcctctct gtgggtgcct acaaagttta aatgtggaca 180
 tggctgtcac tactcactag tctcattgaa gcatcatggt gcaaatacctg cttcaaggtc 240
 tgctattgat agcttagaga tggctgtgat gtcaacgcct cagcattaat ttggacttct 300
 aggccttctt tgcgtattta tgctttatat aagcatatgg ggtatggtcg atcttgtcta 360
 tngcccttcg gaggttcctt caacttcact tgagcctttg atggcacatt tggagtcag 420

tgcctctgct cagaaaatca gtttttaact ga

452

<210> 20992

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-045-Q1-K1-C10

<400> 20992

agcagccaga gagctcattt cccttgcaac tcttggaaca gttgaccaa gccaaactgga 60

ccgtgctaaa gcctcaggta aatcagcgat actggcgaa ttggaatcac aggcactact 120

aacagaggac atggggcgcc aagttttggc atttggtgaa aggaaacctg ctgagcacct 180

tctcaaggct atagatggtg ttactatgaa agatataacg tctgttgctg aaaagatcat 240

ttcatcccca ttgacaatgg catctcatgg aaacgttctg aatatgccta cttatgagtc 300

ggtcagtggc aagttccgct caaaatgagg agtacatgac ccttcccttc attntatcac 360

cttgtttgct ggacaagttt taccagtacc ttgtcattca cgtctaggcc atggttcttg 420

gtcagtttca gaa 433

<210> 20993

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-C11

<400> 20993

cgggcttggg tcggcacggc tcaacgaagt cagcagctgg tttagggcta ggctggacca 60

ttgtttttac actttaggct ggcacgacac aacttaaatt tttttgagct ttcttgccc 120

gaacacgaag cacgatgggc tttggccggg cctaatacag acagcgtctg atggctgcgt 180

cacggtcacc ctacaaact tgttaaactt tgtcagtgca gcacggctgc aaactgacca 240

gcgcccgcct acgtactacg cacaagttac aagtaccatc atgatgcttg acttaaatca 300

tactgctaca tacagtgata tatacaggat tgacggactg gatggacgct gctggtgcag 360

gactgccacg tgcacgcgat cgcgcgggac tacggggcgc tgacggcgca taaccggcag 420

<210> 20994
<211> 232
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-C12

<400> 20994

gcggtgagct gtgagcaatt tgaacggcga tgagcttgag gttcatgac cgtgtgggcg 60
cgcttgtggc gctggagagc acggccaggt aggtcaagga caatgcgcat gcgctggcgc 120
agtcagcgtc catgacgagg agcggccgca gctggtcacc agacgccgtg acggttgagt 180
cacggtgagc gtgcgccgcc gctgcagctg tggcagtcaa gatgaaggcg ga 232

<210> 20995
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-C2

<400> 20995

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tgggcatcag agaccatcat caagcaaatt ccccgctctc ttggctcctgg tctcaacaag 120
gcaggcaagt tccccactct ggtcactcac caggaatccc tggaatccaa ggtgaatgag 180
acgaaggcta cagtcaagtt tcaactgaag aaagtccttt gcatgggtgt cgcggtcggt 240
aacctgtcta tggaggagaa gcagatccaa cagaacatcc agatgagcat caacttcctc 300
gtgtctcttc tgaagaagaa ctggcagaat gtaagatgtc tctacatcaa gagcaccatg 360
gggaaaccat tcaggatttt ctaagtctgg ttttttgtga agtctgctct ttatgatatt 420
tggtttttga accgaggttg tcttgaact 449

<210> 20996
<211> 463
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-045-Q1-K1-C3

<400> 20996

aaacatccga tccgaccatg gcggcagacg cacttcgggg cttctctccc ggcgtttacg 60

cggtgctgat ggtaatcgcc gtcacaagcg ccgtcttcag cgacgcgtcc tcggtggtcg 120

tcggcctcgc caaatgcgcc gactgcacca ggaagaactt gaaggccgag gcggcattca 180

agggctcttga ggtggcgatc aagtgaaga acagcaaagg cgagtacgag agcaaggcca 240

tgggcaagct tgatggcttc ggcgccttca gcatccact tagcacggac ctncacggcg 300

ctgactgcgt tgcacagctc cacagcgctg cggatgaacc gtgccccggt caagaacctt 360

ccagaattgt gccacaatcg tcaaagggca acttcgtcgt ggtccctgga aagacagact 420

acccatcgaa ggaatgtgcg tncgcaaccc tgtgtgggtc gat 463

<210> 20997

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-045-Q1-K1-C4

<400> 20997

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cggaagccct tccaagccgg gccggaatct ggccacccca acaaccgccc cgaccggtgc 120

tcctaccgnc atccccggcca ttcttgccat gccgaaaccg ncggtcgtgc ccaccgtgcc 180

cgcgccacc ctttcaccga taccgcccgt gccgacgtcg acggtgcctg cgctgggcgt 240

gccaccgatc cccgcgttac ccaagatccc cgcgatgccc cctatgccgg ctgtaccgc 300

attgccaaag gtgacggtga cgctgccgnc gtcgatgccc gtcgtcgtca tccctaaggt 360

tggcgccttg ccgccgatgc ccgccgtgcc taagctgaca ctgccgccga tgcctcgat 420

cccgggcgtg cccatgccgt ttgtggcgcc gncttcttcg cataantcaa ttcac 475

<210> 20998

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-C5

<400> 20998

gttggggttg agagttggca aatacaggat ctgaaatgaa ctgcaagcta tcagggcaga 60
 gggacatgtc ccgaatcgag acattgtatc atgctgacaa ggagaagact gaagcactta 120
 tcctggagct ggtcgtgtgg cttcatcatc ttatcagtaa atcaagacac gccagtggag 180
 gtgtaaggtc tcccatcaaa tctccagtca gctcaccaac acaaaatggc gctgcaatca 240
 cactgttgcc gggcaaaacg aaaatttcac caccgattct cacccaagag gatcaggata 300
 tgctaattga tgtcaagtac aggaaaattg tcccaggat aagcaaaagt caggagtttg 360
 acacaaagtc aagtcacagc 380

<210> 20999
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-045-Q1-K1-C7
 <400> 20999

cttcaaactg gatcgcaaat tcacattgaa aatccagaat ctatagatat ctctgatgag 60
 gggcatcaga aggcagagca gtcagagatt gatgaattga agcaaagatt gtgtgagctt 120
 actgaggcca aaactcaact agagaccac aatcagaagc tgcaagagga aagcatgtac 180
 gcaaaaggcc tggcctcggc tgcaggtgtg gaactgaaag cactgtcttg ggaggtcacc 240
 aaactcatga accacaacga gaggctcgcg aacgatttgg ctttggcaag aaattcaaca 300
 cgagttagaa gtggtcatag ggttgggagg agggatagct atactaaacg gcttgagcca 360
 gcgagtagaa gagatgttca tgctagcagt gaaaggaat cagctctgga ggtcatgctt 420
 atggg 425

<210> 21000
 <211> 481
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-045-Q1-K1-C8
 <400> 21000

gtgggcggac tcggaggagc cggggcggcg gacgcggcgc agcagcagca gctggcagca 60

cctcgaactt atgaaaatca ataaccatt cattatctc agctacagct acatactcct 180
gcacctctat accatcccta ctgacct 207

<210> 21003
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-D10

<400> 21003

atcatcagat agatcactgg ccccggtgctg attaccgcg c ttcccatctg agcaggcggc 60
gggccaggct acaggagag acgcatagga gacagctgct gcctggctga gacgatggcc 120
ggaggcggcg accactccca gacgaacgga ggccacgtcg accagagggc cttggacgag 180
ggcaggaagg aggagtctgc tgaccagggc tgccgcgcca tggctcgtctc cgtcccattt 240
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gcggtgacga tcaacgcgag caagaacggg cagatcacgt tcccgggcgt ggcgatcgtg 360
tgggggctag cgggtgatgt gatggtgtac gccgtgggcc acatcttcgg cgcgcacttt 420
aaccggcgcg tgaccct 437

<210> 21004
<211> 368
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-045-Q1-K1-D11

<400> 21004

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atgatcaatc accagcgaca tcaattctc gcccgctccg gcgtcgagga accgtcgcac 120
agttccagtt ccatgggcaa ggtgcgctcc ttcttctgcc gcgcccgcag cggcaagcgc 180
ggcggctccc ggccaggctc gtcgtcctcg tctctctcgt cccagtgcc gtccgcgagg 240
atggcgctgc cgtcggccgg gacgagacgg agcgcgctctt ccgcaagttc gacgcaacg 300
gcgacggcca gatctcgcg tccgagctgg cngcgctgtt cgagagcgtg ggccacgcgg 360
ccaccgac 368

<210> 21005
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-D12

<400> 21005

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 ggggccctgc agccagagtg acaagcgaca ctgtgacgac cgaacaaagg cgcgggcggg 120
 ccggggggcac cggcgtgggc gtgggggtcgc cggacgaggc ggaggcggca tcggtgtggt 180
 caccagacag atggaggcgc acgaggggga gaaatgaaac agaggtgggtt agaaaggaaa 240
 gtcgagatat gggtaaagtc gtttttttgg acgtacgtgt tattttcgac gggctaaaaa 300
 tagctacggc cgacgaaaat gctattgttc tattgtgtag cgtaactgtc gcaactgatgg 360
 agctcccatg caaccatgat cgggtgcaagc gtacttgtga catgcacggt agtagtagca 420
 agcaccagct agaattgatga tga 443

<210> 21006
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-D3

<400> 21006

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 caggggcagg tgggtggcgg gagcgtcatg ggggagctca tcgcgtcggg ccccgatcatg 180
 gtgatcgccg ccacgttcgg caacgccacc tacgagaggc tgccgctgga ccaggcagac 240
 gccgaggagg ggcgcgtgct gtccggctcg tccgagggcg ccaccgcgca gcagctggag 300
 cagcagcaga gcagcggggg tcccgtcgtg ccgtcgtcca tgtacgccgt cccgcagacg 360
 ccgtcgtacc cgcacgacat ggtcgggcag tgggggcacg cggctgtgac gcgcccaccg 420
 tcgacgtccg tctagctagc gctagatgca catgcaccag c 461

<210> 21007
 <211> 287
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-045-Q1-K1-C1

 <400> 21007
 caattcccgt ttcgaccgac tcgtactttc aattctcacc atccatatcc ctttatatcg 60
 catcatccat ctaatacaat atcaaacgtg cagtgcacta ttgaagctgt gttaataata 120
 cactcttctc acatcctaaa cctcaccct aaccatttct cattaccaat cactactaaa 180
 tatcactatc tgataaagac ttataatcac attattatac aaacatttca ttcttctctt 240
 cttaacatgc atgcatacat gccactactc tatactacca tttatat 287

<210> 21008
 <211> 167
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-045-Q1-K1-A10

 <400> 21008
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 ccttgccagc atgcaactgt aactcagccc atgcatcata ctcctaattct tgacaagtac 120
 ctagcaagga ggtcctaagg caaggcaatg acaggccatg gcgctat 167

<210> 21009
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-A12

 <400> 21009
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 ggatggcagc acggcgccgt ccgggccagc cgcagcaagg tgcttaggac ggccgcccggc 120
 gacgacaact ccgacgccga cgcggtcgtg gcggcgccgg cagcggcggc ggcgaggaag 180
 ccgacgaacg cgtcccggag caccgggaag tgccggcggg cccggtgcgc gggctgccac 240

gcgcacccgg tctccaaggc gcgcgacaag gcccaagggcg cgcgcaagct gcgcgcctgc 300
 gatgtcgcgc tcaaccaccg actcgtgtcc tggcgcgtcg tcgaccaggg ccccggttac 360
 agcggcgcgt ncgcctcctc cctgctggcg tacctggccg gtggcagcag ctggcacgag 420
 gaggatgagg acgacgacga ggg 443

<210> 21010
 <211> 235
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-A2

<400> 21010

agaaaacaat aacgccaaac ttaataaccc agtagcaaag gggaggaata aagtcgtaca 60
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 aggagccact cagggcagat cacaggatag cattgaccac aagttcgacc tcatgtactc 180
 caagagcgcc ttcatgcact ggtacgtcgg tcaaggtatg gacgaaggca acttc 235

<210> 21011
 <211> 379
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-045-Q1-K1-A5

<400> 21011

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 gagattttct caaaatgctg gtttccggag aatcgtcgaa tgagagcaat tgtttgcctt 120
 tgccatggtt atggagacac atgtacctt tttcttgatg gagttgcgag gaagattgct 180
 tcagctggat atggagtatt tgcactggac taccctggct ttggtctttc agaaggactt 240
 catggatata ttccaagttt tgatacactt gttgatgatg tagctgaaca cttctctaan 300
 gtcaaaggaa atcctgaata tagaggccta ccgagctttc ttggtggcaa tctatggtgg 360
 agcagttgca tgaaggcca 379

<210> 21012

<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-A6

<400> 21012

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ccactgccga ggtccagacc ccgaccgtcg tggcggccga ggaagcgccc gtggtggaga 180
ccccgccgcc ggccgtcgtg cccgaggagt ctgccccgcg cgaggccgag gccgaggccg 240
aggctgctgc tcctgctgat cccgaggagc ttcccgcggc cgagcagcag gcagccgccc 300
aggcggaggc cgcggctcct gctggtgccg aggagcccgt cgcggtcgaa ccggccgccc 360
aggcggaggc tgctgctcct gctggtcccg aggagactcc tgcggtcgag caggaggcag 420
ccgccgagga ggaggct 437

<210> 21013
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-A7

<400> 21013

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ggcggcgctc ggcatcgccg ccgtagctgc cgcgccttcc cccacgacgg cgcgagccgg 120
gcgagtgct ccgctgacct caagctcagc gggctaggcg agttcggggc ggcagacgac 180
acgcctcgac agccgcgcgg tcgctgcgcc tgatgcccac cccttcgag atcggcacccg 240
tcacccgccc cccatcctcc gactcactca gttgtcgcgc attctgccgc aacatgatcc 300
ctctgcgcgc cagcaatgc cggccggcca gccgcacgcg cagaggttg tcgacgacgg 360
cgccgcgaac ctctcgtcct ctccaactgt cgacaaccgg tccacttgcc atagccgctc 420
cccgc 425

<210> 21014
<211> 411
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-A8

<400> 21014

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gcagagtgtc ccgtcgacct caagctcagc gggctaggcg agttcggggc ggcagacgac 180
acgcctcgac agccgctcgt tctctgcgcc tgatgcccac cccttccgag atcggcaccg 240
tcacctggtc ctcatcctgc gactcactca gttgtcgcgc attctgcctc aacatgatcc 300
ctctgcgcgc cagcaatgc cggtcggcca gccgactcg cagagagctg tctactacgg 360
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<210> 21015

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-B1

<400> 21015

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aaaagcgcct tctatgatga tgtgaaagca gccatcaaga cggcatcaga ggggtgcactc 180
aaaggtattc ttggctacac agacgaggat gttgtttcca atgattttgt tggtgattca 240
aggtaagca tctttgatgc caatgctggt attggactga gctcttactt catgaagctc 300
gtgtcttggt atgacaacga gtggggctac agtaaccggg ttctggatct gatcgctcac 360
atggctcttg tgagcgccaa gcactgatgt tcgtactcgt t 401

<210> 21016

<211> 223

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-B10

<400> 21016

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 cactgactct tatccagtag catagttagc tttaatgggc agactgagaa ctcctttacc 120
 attctattcc taactactta tatctctaca taatcaacta caacatactc attctttaaa 180
 cactttcaca aattatactc aataatatta actacatata cta 223

<210> 21017
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-B12

<400> 21017

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 gaacccaaag gctaacaggg agaagatgac ccaaactcatg tttgagactt tcaatgttcc 120
 tgccatgtat gtcgccatcc aggctgtgct ttccctgtac gccagtggac gtacaactgg 180
 tattgtattg gactctggtg atgggtgtcag ccacacagtg cccaatctat gaaggttatg 240
 cccttctca tgccatcctg cgccttgacc ttgctgggcg tgacctgact gacagcctga 300
 tgaagatcct cactgagaga gggttactcct tcaccacctc tgctgaacgc gaaattgtaa 360
 gagacatcaa ggaaaagctt gcatatgtgg ctcttgaata cgaccaggag ctcgagaatg 420
 ccaagagcag ctcatct 437

<210> 21018
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-B2

<400> 21018

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 ggctgggttt gctgggtgacg atgcgccaag ggctgttttc ccaagcattg ttggacgccc 180
 acgtcacact ggcgtgatgg ttggcatggg gcagaaggat gcgtatgttg gcgatgaggg 240
 tcagtccaag aggggtatcc tgactttgaa gtacccgatc gaacatggca ttgtcaacaa 300

ctgggatgat atggagaaga tctggcacca caccttctat aacgaactcc gtgttgcgcc 360
tgaagagcac cctgtgctgc tgaccgaagc cccactcaac ccaaaggcta acagggagaa 420
gatgacccaa atcatgtttg a 441

<210> 21019
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-045-Q1-K1-B3

<400> 21019

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tcaagtcctt cgaggctcac ctgcgcggca aaacctatgt gtctggtgac tccattacta 180
aggatgacat taaggtcttc gccgcggtgc cgtcgaagcc tggcgctgag tttcctaata 240
ccgcccgcgtg gtacgagacc gtctctgcgc ctgtagcctc aagattccct ggtaaggctt 300
gtggtgtaaa tctgcctgcg ggatcagctc ctgcggcagc tgctcctgcg gatgaagctg 360
angatgatga tgaccctgat ctttttggtg atgaaactga ngaggacaag aaggcagctg 420
atgagcg 427

<210> 21020
<211> 435
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-045-Q1-K1-B4

<400> 21020

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agccgtgctc ctctccatgg cgcccaggcc tgctccctcc cctgctccat gggcgcgagc 120
tcttccccct ggccagccat ggtgccccct gctcttctt cctccagcaa caagaagcca 180
gcgccccctc atttttcgcc agcgtttccc tctgctgtcc gtgatgtggg caagctctga 240
tccatggcgc cctnctcccc ttcttcttcc tcaagccagc aggcgtctcc ctctactccc 300

tgtgcgagc agccccctcc cttccagacg ccctgtctt tctccttgg cgcccagaaa 360
 ttacagcagc agctcggccc ctttctctct gcgcccagct tttctctcca ctgcgagca 420
 gcacccttc coatg 435

<210> 21021
 <211> 475
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-B6

<400> 21021

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 ggttcttggt ttccaagatt taaatatcg aagggcaaag atgagtcttc acacgggcac 120
 agtgttccat tatccagacc agcctcattc aacagggaga agcaagaagg gaaaaggcct 180
 ccgtctcgtg ttacttcatt taagaacagc attgatgatt tcaatccatt caagctgctg 240
 gaccacctat ttgccgaatg caggaaccag ggggaggatt tggttaacag aggagtata 300
 acaatgaagg acattgaaga aacgaagtct ggcaaagttg gcagcgggtg tcttaatggt 360
 ggtctaccag cgtatgttat tcttaatgca ctcttcgggt ctgcgaaagc tgattctgtc 420
 gggctaattc taagtgcggt ctctgagatt acatctgaca atagacctaa aaaca 475

<210> 21022
 <211> 162
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-B9

<400> 21022

acaaacaaaa cttttatttt acctaactgc accatcacia aaggacagtt tcattttcat 60
 ccttacactg gccatcttat cccaattcc tactccaata aataacaacc tctccaactt 120
 ttaacaccta cacaagctaa ctacatttcc cttttctttt ac 162

<210> 21023
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-A1

<400> 21023

atctgttctt cacctcacta acaccagcta gcaactcttt ctctcctgca ataatggccg 60
ggcgctcggt ctcttgccag ccgcagctgg tcgcggcggc ggcggtcctg gcagctgcgc 120
tgctgctgct ggcggcggtg gcctggacgg cgtcggcggt cgtgagctgc ggcgaggtga 180
cgacgtctgt ggcgccgtgc ctcatgttcg cgatggtcag cgcggcgctg ccctacgtgg 240
tgatctgcag cgggtgtgcgc tagatcaaca gcctcgcgtc gttcgcgacc taccggcagg 300
tcacctgcaa ctgccttacg agcatgacgg ggcgcttcgg gggccgc 347

<210> 21024

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G3

<400> 21024

atcaggtata tgcctcgtaa gagagacttc tggttaagtg tactcccttt gattcaagtt 60
ggttggatcc taacttccta ggaaggcatc tgaaaggata taatccaggt gactaggtct 120
tgagcaatat tgcaattatc ttaaaaagga tcaactgtag tattctacca gtgtacttga 180
attgcttcat gcatgtacgg tggcagatth tagttggatt tttcaattct tatggccttg 240
catggtgctg acagcaagca aatattgaca ggaacacctt tttattgtca ctgaactact 300
gcgagcaaat ctatacgagt ttcagaaata taatcaagaa tctggtggtg aggtgtatth 360
tactttgcct aagatacaag tatgttctgt gtccttcaact gagatgttct ccccgaggacc 420
atgactgcta cttataatga tatca 445

<210> 21025

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G4

<400> 21025

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gttgccgaa gaagaatgat acagatactt gcaaagatgc aaatgagggtt ctaatgtttt 120
taggtccaca agcattgaga aagggttatag aagatgcaga actgtatcct ataagaggcc 180
ttttttcatt caaacagttc ttcccagaga ttgacaatta ctttcttgga atacatgggtg 240
atgagcttgg tattcatact ggatggaaat ctatggatga tctttacaag gttgttcctg 300
gggaattgac tgtcgttact ggagtaccaa attctggtaa aagcgagtgg atagat 356

<210> 21026
<211> 246
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G5

<400> 21026

acgcactgat gtctatggag ttctcaattg gatgttcaaa tcctctgaac cacaagcttt 60
ggttcaattg cattcaactc tgtgggtgaat acacagaatg gtaatacaag aacatatcca 120
ctcgtctctc ctaaaagact tcgtctagaa gcacaaaggg atctgtaaga tcgtgctcag 180
gtcatttcac attggacagg catcatgctg agatctcgtc atgttagaga atgtgaaagt 240
cacatc 246

<210> 21027
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G6

<400> 21027

gttcctgtgg ctgagatgtc atcacaactg tctccgtggg cagctgctct gttccagttc 60
ttgccaccct tgatcaggag agagctgctg ctccaccaag aatcagataa ctctgctcag 120
ttgtcccaaa ttgacacgga gcaactgctg gcccatctag tagaaacaga aatgataaag 180
agaacgaaag aaggaaggta caagggaagg aagttcagtt cagtatgtca tttctttgga 240
tatcaggctc gaggatctac accatcaaatt ttcgactgtg actatgctta tgctcttgga 300
cgtatctccc tgcataatgat tgcagttgga ttgactggct acatggcaac tgtggctaata 360
ctgaaagacc ctgttgacaa at 382

<210> 21028
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G7

<400> 21028

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ggcgttcagg atcgggatct cagcgacgac gtcagaggct tcccatcccg acccccgcca 120
gtcgctcgc gccctcgact cgggactccg gtctccgca caccggccgg tgaccctgcg 180
tttgaacctg ctatagaaat ttataaaatg gccgcggttg atgcgacaac caaggagatg 240
gatgcactgc atgttggaca aaatgatgaa acaaaagaga ctctgattaa agaagacaaa 300
gctgcaaaca gcaatcattc tgttgttgca gctcagtcct tgccaccaga ggacgacgat 360
gatgatg 367

<210> 21029
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G9

<400> 21029

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agattgaccg gccagttttt tgctctgaag gttattcaac taaatattga tgagagtata 120
cgcaaacaga ttgcaaagga gttgaagata aacttatcaa cacagtgccca atatgttggt 180
gtgttctatc agtgtttcta tttcaatggc gccatttcta ttgttttgga atacatggat 240
ggtggctccc ttgcagatgt cctgaagact gttaaaacca ttccagaggc ctacctcgct 300
gctatctgta cgcagatgct aaaaggactg atctacttgc ataacgagaa gcgcgttata 360
caccgagatc ttgaaccctc aaatatatt 389

<210> 21030
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-H1

<400> 21030

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gtaactggca ggagcagcag gaatggcggc gacgcgtcgc ctctcttgct ttctcctcgc 120
cgtgcttctg gcaggagtgg ccgctgccac cgccttcgac gaagcggctg ctgccggctt 180
cgggcttggc cacggcgcgc gtttcgcgcg caagcatgga cgtgctgccg ctgagatgcc 240
ccagccggag ccacaaccta aaactaagcc ggagcccat atgcagtcac tgtcccagcc 300
agaacctaaa ccgaaaccta tgccaca 327

<210> 21031

<211> 446

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-H10

<400> 21031

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cgctccgctt cctcccagcc gcagctggtc gcggcggcgg cggtcctggc agcggcgctg 120
ctgctgctgg cgggcggggc cgggacggcg tcggcggcgg tgagctgcgg cgaggtgacg 180
tcgtcgggtg cggcgtgcct cgggtacgcg atgggcagcg cggcgtcgcc ctccgcggcg 240
tgctgcagcg ggggtgcgctc gctcaacagc cgcgcgtcgt cggcggcgga ccggcaggcc 300
acctgcaact gcctcaagag catgacgggc cggctcggcg gcggcgtcag catggccaac 360
gccgncaaca tccccgcaa gtgcggcgtc tccgtccgcg tgcccatcag cccaccgctc 420
gactgcacca agatcaactg atcgat 446

<210> 21032

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-H11

<400> 21032

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cgggcggcag caggcagcca tcatgtcgga ggagaagcac caccatttct tcaaccacca 120
 caagaaggac gaggagcagc cgcgcggcga gtacgggtac tccgagaccg aggtgggtcac 180
 cgccaccggc gagggcgagt acgagaggta caagaaggag gagaaggagc acaagcacia 240
 gcagcacctc ggcgaggccg ggcgccatcg cgccggcgcc ttcgcactct acgagaagca 300
 cgaggcgaag aaggaccccg agcacgcgca caagcacaag atcacggaag 350

<210> 21033
 <211> 387
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-044-Q1-K1-H2

<400> 21033
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 tgctgccccaa aacataattc ccagctccac tgggtgcagca aaggctgttg gaaaagtcct 180
 gcctgagctg aatggaaaac tcaactgggtat ggccttcga gttccaacac caaatgtctc 240
 tgggtgtggat ttgacatgcc ggattgagaa aagcgccctc tatgatgatg tgaaagcagc 300
 catcaagacg gcatcagagg gtgcactcaa gggatttctt ggctacacag acgaggattg 360
 tgtttccaat gatttgtggg gattcaa 387

<210> 21034
 <211> 447
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-044-Q1-K1-H3

<400> 21034
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 gccagcggcg ggttgctatc cgcgcggtgt caacttcggg gactctctgg cggacacggg 180
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cttcttccac cgcgccaccg ggcgcgcctn caacgggcgc ctagtggtgg acttcatcgc 300
ggacacactc ggccctnccgt tcgtgcgacc gtatctgagc ggacggagcg cggaggactt 360
cgcgggcggg gccaaacttcg ccgtgggcgg cgccacggcg ctcagcccgg acttcttccc 420
ggcaggggggt tccacaacat gggaaac 447

<210> 21035
<211> 453
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-044-Q1-K1-H5

<400> 21035

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atacagtatg acatcaggca cagaaggcat tgacgcgacg gcggcaactc gggttgttgt 120
cactagagat gtgagcaaca acgccaacaa tgccctgact ggccagtctt tctatcgctc 180
cttcagcggg agcggggcat ccatggacat tgtggtgtcc agtgtcagag cttacctgag 240
cgccctgaac aagatctgca gtttcgctgg cgccgtgaaa gccaacagcg atgtagctga 300
gaccgcaagc gtcccgagca cagaatgagc tcccgtttgg ttcagagtga catgttcaaa 360
aatttctgga aggatcgctc attgagctta ngacaggcag gaagtcttgg ggcttatgta 420
gtgtacaatt tctgtatctc atataccgtg ctc 453

<210> 21036
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-H7

<400> 21036

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gggcaacttg ctggtcccca gaggaaatct ttgactgtaa aggatccgga gaagtacgag 120
ttcaagccga agcagctttt gaaacagatt gccaccatct atgtccatat ctcaaggggc 180
gacaaggaat ctgtcttctc agctgcaatc tcgaaagatg gcagagcata caatgatcag 240

ttgttttcta gtgcagctaa tattctgtgg aagattgggg gtgatcccaa aatcatacag 300
gagtctgtgc aacttgctgg tagggcaaaa gctgctgctt ctgaagctat ggatgctgac 360
gcaatccttg cggacatacc agatgaattc ctogatccaa ttcagtatac tctaataaaa 420
gatcctgtga cact 434

<210> 21037
<211> 361
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-H8

<400> 21037

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atctcgttcc ttttcgaaaa ttttgaatcc gatcgatccg cgtgttttca cacactaagc 180
tagcaagatc gacgctatca cgctactgcg tgccctgtat ctgttgaagt tgtgacctgta 240
ggctgcaggt tggctgggtg tgtgtggctt caaaattcgg cggcgacagg cggcatcctg 300
gacgagcaaa acgcgcattc gatctggctg attttttcgg ttggctcgtct tggccaatg 360
c 361

<210> 21038
<211> 306
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-H9

<400> 21038

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ggacatgccg ggcgccgact accagctgac caaggcgctg ggccctgcgc ccttcgtgaa 120
ccgcctcatg atgtaccagc aggggtgctt cgcggggcggc acgggtgctgc gcgtggccaa 180
ggaccttgcg gagaacaacc gcggcgcgcg ggtgctggtg gtgtgctccg agatcacggc 240
cgtcacgttc cgcggcccct ccgagtcgca cctcgactcg ctcgctgtcc atgcgctgtt 300
cggcga 306

<210> 21039
 <211> 311
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G2

<400> 21039

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 aacggctgga ctctatgatg aaatggcgct gccatcacga cgacttactt aaatactgag 120
 atcttttagga cacaatgtaa atttctgaaa tcactaggag ttcaatgctt atggatagac 180
 acccagacac catgtctaag caagataaag agatatgttc tgcaatagaa aaactttcag 240
 actgtcagga aaccatattg attcttatcc gtcagatgac ttctatacct gctccaattc 300
 aattactcgg c 311

<210> 21040
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-E7

<400> 21040

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 ggttcaaaga aggttgcaaca acagtctcca agggcccagg ttgcaatctt tgttgatctt 180
 gccatgactt taagaagaaa gcctgatgta ctggtaaattg ttatgccaaa gataatggga 240
 aacaattaat atctgggaca ggaaaagctt cccatcattg tctgggttat tgctcaggcc 300
 tctcaagggtg acctagtgtc tggcatgttt tgctgggctc attctctatt tcccacatta 360
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 attttgtctg tcacca 436

<210> 21041
 <211> 295
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-E8

<400> 21041

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aaggaccttg atggcttgct atctacatgg aaaggaataa ctgagcatgc tcaatctgct 120
gccttggctg ctgatgaggg tgtggaaggt gctgttctg taatgttgca cagagcgaag 180
ggtcatactt tatctgttgt tcaagacgat tttaatgaat aggtcaagag gctgggtgtg 240
gattctactg gaacatatca tgaggttaca agctatcttg aagaagtcgc acctg 295

<210> 21042

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-E9

<400> 21042

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ctactgaagg ttaaaatttt aagctactat cttataccat attgtagatc gttgatacat 180
ttatgaggag cattgcagta gcttcaacat cagaatgttg caaaaaaaca atcccatttt 240
cttttatctt gagatgttct gtaactgagc tgattgttca tgcattgatga ttgctccacc 300
tctgtcaaac cttgaagggt taatgtcatt agacgacttt gacgatgctg aaggcggctc 360
caagctggaa cgattctcac gggagacgnc tgatccatca ttgtcatgga aagacgtgga 420
gtggctc 427

<210> 21043

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-F1

<400> 21043

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cgaccgacgt cgtcacgtg ggcgcgggt cgcgggggt gtctgcgcg tacgagctct 120
ccaaggaccc cgccgtgagc atcgccatcg tggagcagtc ggtgtcgccg ggcggcgccg 180
cgtggctggg cgggcagctg ttctcggcca tgggtgtgcg caagccggcg cacctgttcc 240
tggacgagct gggcgtggcg tacgacgagg ccgaggacta cgtggtcac aagcacgccg 300
cgctcttcac gtncacggtc atgagccgnc tntcggcgcg cccaacgtg aagctgttca 360
acgccgtggc cgtggaggac ctcatcgtca ggggagggcg ccgtcgccgc gtcgtcacca 420
actgggc 427

<210> 21044
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F10

<400> 21044

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agagcctgac atgaagtga tgaatgtggc tagccttggt gagatcagt atgcatattc 120
acttgaccgt gctatagcta caccagagag agcattgcat actgcaaacc tgtgtgtgag 180
gcttttatta tctaaggaga gcattgtgat taggagactt attatgacag cgaatgcaaa 240
atctcttgcc cgtgatctga tctccagaga tgctttgatg ttccgggtgc tccttagtaa 300
ggttattgcg gatgttgtct accaatggat gttgagtgcc acaggcttga aacgagttat 360
ggagaccaag atccagacgc ccatgaccac aggaaagaac gagggacatc tgggtgctggc 420
tgaagaacca tcgaccctga tggactcca agcg 454

<210> 21045
<211> 286
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F11

<400> 21045

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gggtgagctg atcgagatgg cgtgcctctg atgttgagta ccgtgcttc gtcggctgcc 120

tcaactggac cacggacgac cactccttgc acaactcctt catcacctac tgctaggtaa 180
 cttagtccaa gatcatccta tatcgagtga cacagatgtc cctcatcttc tgcttcgtca 240
 ccttatccac agatgatgcg ttgcggtacg ccttctacgt catgaa 286

<210> 21046
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F12

<400> 21046

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 ctcttgccgc ctaagcacia cgactccgtc gacgtcgcgg tcagcctggt gccgcacatc 180
 atcgacacca tccgttcggc cctgaccgtc atgatcgatg ccggtgcgag gacagtgggtg 240
 atcacgggga tgctaccgat cggtgtgag ccgcagcagc tggcccagtt cgcattgcggc 300
 ccggccggcg actacgacc taccaccggc tgcattcagc ggttcaacca gctcgcggag 360
 caccacaacc acatgctgag gatgatgc 388

<210> 21047
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F3

<400> 21047

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 ccaccttccc ggacccgcag ctcgctgcgg acagcaccgc tgaagcccca ctgctccacg 180
 tcgcgccga ggttctgccc tcattagctt ctgcggcggc cctcttcttc gccgcgctcc 240
 ccgtggccgg cgcgggcaac gggcggcggc ggcgctcgat ctccggggctt ctcatcttcg 300
 tgctatgctt cttcgacggc acgctcgagc tcattcgtgtt cgggaaggcc gccgttggtg 360
 gtactgcgga ggctcgcgct ctccggcctgc ctgatctccc agcgttgctt gccgcggcga 420

cggccacgtt ctttttcggg atg

443

<210> 21048
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F5

<400> 21048

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gatggctctg gacaggcctt caacgcctcg catcgatcgt gggatagcat tacataaaat 120
gattaggctt gtcacaatgg gtttaggagg tgaaggctat ctaaatttca tgggaaatga 180
gtttgggcat cctgaatgga tagattttcc aagaggctct caaagtcttc caaatggctc 240
cgtcattcct gggaataaca atagctttga taaatgccgc cgtagatttg accttgga 300
tgcagattat cttagatatc gcggtatgca agagtttgac caggcaatgc agcaccttga 360
gggaaaatat gaattcatga catctgatca ctcatatgta tcacggaagc atgaggagga 420
taaggtgatc atctttgaga g 441

<210> 21049
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F6

<400> 21049

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gtttgggtca tctaaagcgg tatgctttca aggagcttcg tgcagctact aataatttta 120
actcaaataa catcttatgt gaagggtgat atggcatagt atacaagggt tatttgctg 180
atggctctat tgttgctggt aaaaggctta aggattataa tgccgtctgt ggggaagtcc 240
aattccaaac tgaagtttta gtcataagct tggctgtgca tcggaatctt ctccgtctta 300
ttgtgttctg cactactgat agcgag 326

<210> 21050
<211> 399
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F7

<400> 21050

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gggtggctcta tacaagcctt cagcccctca catcgatcac ggcatagact tacatataat 120
gctcaagctt cacacaatgg gtttaagaga ctaccgctat ctaaatttca tactaaatca 180
gtatatccat actgaatgga tagattctcc aagaagtcct cacaatcttc caaatagctc 240
cgtcattact gggaataaca ttccctttga taaataccct cataaatttg accttgtaga 300
tgcagattat attagatatt acggtatgca caacttttac cacacaatgc aaaaccttga 360
gggagaatac taattcatga catctgatca ctcatatgt 399

<210> 21051

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-F9

<400> 21051

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gagacgttcc aggagcggct caagcatggc gttcttgatc ttgggtctaac tatccaggca 120
cagaaggctg aggagttgcc agagcatgtc ctgtgctgca tgaggctgaa caagatcgac 180
ttcgccaaca acgggcagat accgacgtg ataactgcag ctgatgagta aatctgtcct 240
gttactgtaa ggcactaact ttctggaaaa agcaaaagag actggttgctt ttcgagatgc 300
tgttgtatag atcggcagat agttgtaggg actaactcaa gtttgtgagc taagaaacac 360
ctaatcactg aggaaggaaa agaagatatt gcagcaatct gcattctgaa ctctgaagac 420
gatgcatata catgtct 437

<210> 21052

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G1

<400> 21052

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cgaggagaag atggaaaggt atgagatgga gaggagtcca atgcttgtgg atggggaccc 180
agacaccaag tcaaagcagg ataaagagat aggggctgca gcagagaaac tggcagagtg 240
ccaggagacc atattgattc ttggccgtca gctgcaagct atgcgtcctc cagccgagtc 300
actcggctct tcacctaate ggcaaggcac ggagaacttt ctacaggacg tggtaggaac 360
aacgcgagga gaatattccc agaagccttc aggccaacct gatacagacc aggatatgct 420
tgggacagga aatgtctctt cggccaatg 449

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<210> 21053
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G10

<400> 21053

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aatctacgag ggatacgcgc tccctcatgc cattcttagg ctggatcttg ctggccgtga 120
tctgactgac tgcctaata gaatcctcac ggaaaggggt tattccttca ccacgacggc 180
agaacgggaa atcgtgagag acataaagga gaagctggcc tttgtggccc tagactacga 240
gcaggagctg gagaccgcta agagcagctc ctccgtcgag aagagctacg agctgcccga 300
tgggcaggtc atcacgatcg gcgcggagag gtccagatgc ccagaggtgc ttttgcagcc 360
gtcgtgatc gggatggaag ctcccgcat ccacgagacc acctacaact cgatcatgaa 420
atgtgacg 428

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<210> 21054
 <211> 390
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-044-Q1-K1-G11

<400> 21054

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 ggaggtgtcc acatccgtgg ttgagccata caacagtgtc ctgtccaccc actctctcct 120
 cgagcacact gatgttgctg tcctgctcga caatgaggcc atctatgaca tctgccgccg 180
 ctcccttgac attgagcgcc caacctacac caacctcaac aggcttgtgt ccaggtcat 240
 ctcacccctg actgcttccc tgaggttcga tgggtgctctg aacgttgatg tgaaacgagt 300
 tccagaccaa cctggtgccc taccctagga tccacttcat gctntcgtcc tacgctncag 360
 tcatttctgc tgagaatgcc taccacgagc 390

<210> 21055
 <211> 182
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-G12

<400> 21055

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 ttacagatct gttcacattc ctcgctgagc cattccacaa tgacccattc tctcactctc 120
 ttctatatca cacttatcct aatgaacttc ccgacacata agtcatctat cacatctacc 180
 ac 182

<210> 21056
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-E6

<400> 21056

ccgaaacctg cagtcgggtc atctcgtcca cgaaacgtac ggacttcggg catcggcccc 60
 aacgccagcg gcaccgcacc accacgcccg tcggcgacat gaatccgccc gcagcagccg 120
 cgtccaccgg cgcaggaggc cagcccgcg cgcctgcggc agcccgggag tacgtgcact 180
 acccgaggct ctcgccagag gaggtggccc cgcccccgcc cccgccttat cagcccgcca 240
 ccgccgcgcc gtccgcctac ggaggcaacc cctacatcta ctcccccgcc ggccggcgccg 300
 ccaccttccc gaagaatacg atggactccg tgaaggacgt gctcggcaag atgggggaga 360

ggtttggcga ggcggcccgaggacccgga ccatcaccgg caatttctgg cagcacttga 420
 aaactggacc aagcattact gatg 444

<210> 21057
 <211> 446
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D12

<400> 21057

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 cagagagggt aacatcgagc gtgtcatgag acagatcgag cttgagtcct tcaacaaggc 180
 tgtagccgcg cttaggggtt cagcggacgt ggatagactg agactgatgg atacctacag 240
 cctctcgtcc ttgagaccgg acggccacgt tgggccttac agaacaccct atccctttgc 300
 aaggggcagc agtaaatcca cggccgtcca aaatgattgc ttgactgggt gtgtaccatg 360
 cccattgat gcatggaatg atcttggtat gaagatggcc ctggatccat gaaaacctta 420
 tggatttgta tgggtgtgctc ttatgg 446

<210> 21058
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D2

<400> 21058

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 cggcgggggg cctggtgctg gtcgctga agaagcagcc cgtcgaccag aacgcccgcg 180
 tcgcccgcg cctctccgcc gaggagaggc agcgctcct cctccgcggc gccaacgccc 240
 tgggctcggc cggcggcgac gacgactccg acgtcatcgc gctcaagaac tacatgaacg 300
 cgcagtactt tggggagatc ggcgtcggga ccgcccacaa gaagttcacc gtcattctcg 360
 acaccggcag ctgcaacctc tgggtgcccg ccatccagtg ctatttctcg atcgcttgct 420

acttccactc gcgctacaag tc

442

<210> 21059

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D3

<400> 21059

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ggcagaggac cttcaggtcg gtgaacagca tcaccatgcg cctgcccagg ttcaaggaag 180
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acagcgaaga gctgcagagc ttcggaagca gagtccgggt gcacatgtcc gaggaggaga 300
tgagcaacct gcaccggtac tgcgacatcg acagcaggaa agggcgcca gttccaggag 360
ttcgtcgtgc tcctctgcct cgcgtacctg ctcttcgggc cagacgtcac acgacgcg 418

<210> 21060

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D4

<400> 21060

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aagaactgtt tcgcatcgc cagcgaccgg cggctgggcg tgcagcttca gaccatcgcg 180
acggacttcc agcgggtgtt caaggtccac gacaagcttt acatcggcct ctctgggctc 240
gccactgacg cccagacgct gtaccagcgg ttggtgttca ggcacaagct gtatcagctg 300
cgggaggaga gggacatgaa gcccagagacc tttgccagcc ttgtctctgc gtcctctac 360
gagaagagat tcgggccata tttttgccag ccaggcattg ctggacttgg agatgacaac 420
gtaccattta tttgtactat ggact 445

<210> 21061
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D5

<400> 21061

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 gaaactggat tggaagatga aagtgaaca gcatcatctg ggactggatc tggatgatgac 120
 aacggtaact catctgatag cgcctctgca gaagaaaata ctgagactgt atctggtgat 180
 gatgagaagg gcatgggaac aggtacaacc actgaagcgt catattccat acaacagaac 240
 tctgagaaca gcagtgtctc agctgaggca gagaattccc aaggggattc ttccagcgga 300
 gtgaatggtt cttcagaaga gacatctaac aagggtgatg gagctacaga aacgtctaac 360
 aagggtgagc aggtggatcc caagattgaa actagcacat ccaccaatgc cgagcataat 420
 gaatctcaag gggctgat 438

<210> 21062
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D6

<400> 21062

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 ttcatcgga atcaggacaa ccagttgaca tggtagagc tcacatggat catgctaacc 180
 agagcgcaag ctgcagccgg gatatctgta aaggaagcgg atgcacgggt agcgggtgaag 240
 ccgataccaa tgcgaatacg acggttgccc tagagagtgg caacgagagt ggcaccaat 300
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 atg 363

<210> 21063
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D7

<400> 21063

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gagggaagat actccatcta tgtgcatgca tcacgtgaaa agcctgttca tactagtctt 180
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gatgctgaga aaagattggt agcgaatgca ctggaagatg ttgataatca agttttttatc 300
ttgctttctg acagtttgtt tccactgcat tcatttgatt atgtgtataa ttacctcatg 360
ggaacgaatg ttagcttcat tgattgtttc aaggatccat gtccacatgg cagtgggaagg 420
tactctattg agatgta 437

<210> 21064

<211> 407

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-D8

<400> 21064

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agggagaagc tcgtcccgat agcggggggac gagcgctcag ttggctctcg cactcaagga 120
ccttctgcca aggcagaaga cccggacgac cggaaggaga atgttacagc agataaatcc 180
gcgagagttg ttcagcatcc atgcatgacg aacgggggtgg ccatgtggcc atttagctgc 240
gcgccaccag taccggcctc tgctgtttac ggcccaggca gcatcgcaat cccgtttctac 300
ccggcagctg ctgctgctgc tgctgctgct gcctactggg gttgcatggt tccaggagct 360
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<210> 21065

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-D9

<400> 21065

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gcatggaagt atgtggcaag tgggtttccc atgtcacaaa ggatgataca aggctaccat 180
cttctgtgga gcagtctcat acatctatgt ctcaaaagat ccttctgac atttgcatgt 240
ctgngagaga tcctattaga ttgcttcctt gtctcctgga tgcacaaact caaaatggag 300
tccattttga cctgtgccta tttgtgccga actcaatata tcacacgaag cttgattctt 360
acacttgagc atcatctgag cctgatcaaa tcgatttgct atggc 405

<210> 21066

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-E1

<400> 21066

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aaatgcttat cttctaaaac tctcaactca ttaattttac tcatatacaa ctatatactt 180
atgtacctct aacttaactc ttatcatatc ttaccactct ctcttaatta ataccttta 240
tccttctcaa attaaattcc taatatatat cctcagaac ataaatatac ctttttctta 300
aatcgattt ctagataaac cttttata 328

<210> 21067

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-E12

<400> 21067

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tcttctctgt atgatacact gctggagcag aatctctgca ggttgattga gccctactca 180
 aggggtggaga ttgcacatat agcggagatg attgaattgc cgattgacca tgttgagaag 240
 aagctgtcgc agatgatcct tgacaagaaa tttgctggga cactagatca aggtgctggc 300
 tgcctcatta tctttgagga ttctaagacg gaggatatct tccctgccac tctcgaaacc 360
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 ngaaagcagc tagtcttacc tg 442

<210> 21068
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-044-Q1-K1-E2
 <400> 21068

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 ggaggttgac cagatctatc accttgcttg ccctgcttca ccaatcttct acaagcacia 120
 tcctgttaag accatcaaga caaatgttat tggtagcctg aacatgctgg gacttgcaaa 180
 gagagttgga gctaggattt tgttgacatc aacatctgaa gtttatggtg atccacttga 240
 gcacctcaa accgaggcct actggggcaa tgttaacca attggagtca ggagttgtta 300
 tgatgagggt aagcgtgtag cagagacgct gatgttcgac tatcacaggc agcatggcat 360
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<210> 21069
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-044-Q1-K1-E3
 <400> 21069

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 gcgggaaggc agtcacgccg gtgcggcgta gggcccagcg ttttgagtga aaagccgtat 120
 nnatagatat atcagtatat anntatatat anntcggcac gaaacataca tannctgttc 180
 ataanntagt ttgaaagtgc ctttaaaggc caacaagggg catgtgtgta caagtaaggg 240

nnttggcgtc cctagggggt tagtttgggt gaaccataa aaatggaggg gaatctnnat 300
aaaggagaga tcccgttngt taattcaaaa attaaaataa ccaagaagga tcccctcttt 360
ccataagatt cccctcttcc atttttcttt gtcccacnca aaaccaaccc cnntgagttt 420
c 421

<210> 21070
<211> 299
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-E4

<400> 21070

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ggatgggggc tgtgctgaac agcaggaaga cgccgcaggc ggtggtggcc gtgctggtgg 120
eggctgcgct gctggcttcg tccgcttcgg cggcgatcac ctgctggcag gtggggtcgt 180
cgctggcgcc gtgcatcccg tacgcgacgg ggagggccag cgcgctcccc gcgtcggtgt 240
gcagcggcgt caagagcctc aacagcgagg cgcgggaccag cgcgggaccgc caggcggcgg 299

<210> 21071
<211> 246
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-E5

<400> 21071

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ggtttctctt cctcttgtgt tccccgttc agtttgctta tagccccgaa gactcttttc 120
tcccgtagtg tcggaatgcc agggctctgt cctgtgggtg tggtgcgtaa ctgggatccg 180
agtataccct gctgtgttcg tcgttacatt gaatggatct gaatgaaagt gggtagatt 240
ggagct 246

<210> 21072
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D11

<400> 21072

cccacgcgtc cgcggtgaacc cgccgcccgcac tcagcatcag gagacgcgcc aaggagagcc 60
cgcaaggagg cgactatgag ggccaagtgg aagaagaagc gcatgatgag gctgaagagg 120
aagcgccgaa agatgaggca gagatccaag taggctgatg gggattgtgg atggtggtgt 180
cggcatagtt gtgttacgtt tcttcgatgc gtgagttcat ggagagatgt cacatcctag 240
ttcgtcgtca ccgtttgccca tgggtccaat ggctcgtctt ggaaacctgc acttcagtag 300
gccatctatc gtggtttcta gctatatcca gagttttgtg ctaagacaaa tcagtcagtc 360
gttttgtgaa cctattatga tggagctcta tttgctgcta atatcgacct acctattaag 420
taattgc 427

<210> 21073

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B8

<400> 21073

agcaaattctt tcagccaccc gatccccaac cgcccggccc gacattccct ccaaccgccg 60
ctgcggctgc gccgcccacc gccgacaggc gcagcagtca acaggaaccg agccatggcg 120
agcgcggtatc tgctgcggag ggaggaggag ttctactcct ccctgtttga ttccgccaaa 180
ggcgatggcg ccaggtcgcg ctcacagctg atcgagagga agatcgaggc cctggaggac 240
atggccacca gggtcagtaa ccggagatcg cggaagtggg ttaacgaccg tttgctgatt 300
gaactcgtcc cgcgctcttta cgttgaagag atcaaaggcc tattcgctcc tccgccgtgg 360
ggtgagcaag tgcccttgtc agcattctac agggcaaagt ttggtgaatg ggattccttc 420
aggagcattg acatggatgc tg 442

<210> 21074

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C1

<400> 21074

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aagcacgtca ctggtgaagc catttgaaaa agaggtgttt ggcacaactt ttgcatgagc 120

cagagccgaa gctgaaaaat aagccctacc aaagggccct aaatgattaa agcttaaact 180

cacattatca tgcaagcttt tctttcttgt ctactgaaca tgcatgcatg catgcatgga 240

cggaataagc agtagataaa agaaatgcac aaccagtctg ttctgttgaa ttgaattgaa 300

tgttcactac tacgactaag caaagaaaac ctgcagtcgt cttcagctac taaccagcgg 360

cggcgggtcc aaggcatggg ctggcaagtt caag 394

<210> 21075

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C10

<400> 21075

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cggcattgag atggtgaaca acatccggct caacttcgac gccttcacag ggcacaaggg 120

ccacggcggc gtgcacgacg gcaccaccgt ggtgctgtgg gaggggcca agggcgacaa 180

ccagagctgg aagatcctgc cctggggcga cgaggcctac gccgcgggag gcagcagcgc 240

cgccaacgcg ccccgcttcg gcggcggcgg cgagcccacc gtccgcatct actgcaaggc 300

cgacgagggg ttcagcgcca cgggtccgaa cggcgccgtg tgccctcgcg ccaccaaccc 360

gcgcgacgag taccagcact ggatcaagga catgcgccac 400

<210> 21076

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C11

<400> 21076

agctgttggg ttagcaatat gggccccatc tgttgtaaata caatctggta gcaaagatac 60

agtcgaggca acatcacctc gtcattgcta ttcgtcattg ttacctcca cagataggaa 120

tgagacagat tggaggcgac aagatggaga cgatgtggaa ctcacaattc tagacgttga 180
 tccctaccac tatggtagta acaatgagga gatgcttctt gatgacttga aggtatcaca 240
 agcaatgaca aagcattatg tgaaggtcac acctacattc accatcgagg agacaacaag 300
 gcttatgcaa gagaagcagc aaagctgtgt tgttgttga gataatgaag attttcttga 360
 ggggaattgta acattaggtg accttcgtcg taaaggattt gtgccaaagtg aaaactctga 420
 tagtaccag gcaaattcat cg 442

<210> 21077
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C12

<400> 21077

gcgatccac tcccgatcag cagctgatcg ctactcttg cagctcgatc attctttagc 60
 tgctctagct ctagcctcta gccctagcta gtagctagcc actcggtcgt gtagtcatca 120
 gccttctgat cgtcacccat ggccactgcc gaggtccaga ccccgaccgt cgtggcgacc 180
 gaggaagcgc cgggtgtgga gaccccggt cccgcccgcg tcgtgcccga ggaggctgcc 240
 cccgccgccg aggccaaagt ggaggagcca gctgccccgg cggagaccga gccagctgcc 300
 gccgctgagc ccgaggcggc ccccggtggc gcggaggaag agacgccaaa ggaggaagag 360
 acggcaaagg aggcggagcc ggagccggag ccggcggcgg ctgaaaaggt gaaggaagaa 420
 gcggcagcg 429

<210> 21078
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C2

<400> 21078

cttagctcga gcttcttcac cgactaggcc ttgtctcatt gcgaatagac tactactcag 60
 agggggagcc gttgtgaccg gcccgaggag aaacctctgt tcgaggagac tggcatgacc 120
 cacagcataa gctgaaaaaa aatctttacc aacatgactt acatcattaa agcttagact 180

aacattatca tgcaagcttc tgttgatcgt ctactgcaca tgcattgcatg catgcatcga 240
 cggcataagc atgatatcat agaactgcac aaccattctg atctgatgaa ttgaattgaa 300
 aagttact 308

<210> 21079
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C3

<400> 21079

acgccttccc ctcaactcctt cctccgtccc atgctccgcc gctgacacgt tgcgccgact 60
 gagcctgacg atggccgccg ccgcctccgc catcaccacc gtctcaggcg ttgtgcttcc 120
 ccaaaccttc ctatcccacc ggtagccgcc gccgcaggtc ctaccgctgg cctcctcatt 180
 ccgcgggctc tccttggtgcg cttccctcca ccgggtcact cacataatcc ccgcgctga 240
 tgcaagtgcc gaagctggag aaccggagcc tgccactgct tcagctgaat ccgaagagga 300
 ggtggccgag ggggtctgtcg ctgtggcgga .agcggaggaa ccgacgccgt cgagcaagcc 360
 gaaggttaag ttcggcgaaa taattgggat tctgaataag cagttcattg aggaggctga 420
 gaaggatgaag actgtaccgg atctg 445

<210> 21080
 <211> 281
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C5

<400> 21080

atcattccat tctcatcat cactttgctc ttcaatctac caattcaatc caattgaacc 60
 gtctatatct ataccctgta tgcctaacta caacctagtc acaccttccg cttaccataa 120
 tctactata tcaccactca tctgccctca taatcctaac acttagactc ctcatccaa 180
 catatttccc agatcgcttt ctctctccag atcaactcaca taatttccca cacttatcct 240
 aatcccccat cttagagaacc gtagactacc catgtttcac c 281

<210> 21081
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C6

<400> 21081

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gggtccccgc gatggagccc tcaccaacct cctcctcgcc ggctgtggcg cgccggttgt 120
cgccggaggt aaggagggtg ccgaagcggg cgctggagga gttgttggag caggtccagc 180
gggctgttga gatgctgcgc gatgccgacg ctgatctcgc catctctctc tcggaggaga 240
ccgcagcagc ctgcgccgag gccgaggacc gcaaggacga tgttggtgtc gatggagatg 300
gcatggcgac gtcgtcggtt gcgagtact ccgattacga gacgacgcag atgtgtgacc 360
ttcttaaadc taaggttgga tcaactcgagt tccttcaaag ctcaatggta ttcagaagtc 420
agtagatc 428

<210> 21082
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-C7

<400> 21082

gttggtttct cctccccac cggttcgtgt tcaggttctg gttcgtgggc gagagggaag 60
agatggcggc gtcggacgtt gagtaccgtt gcttcgttgg cggcctcgcc tgggccaccg 120
acgaccactc cctcaacaac gccttcagca cctacggcga ggtcctcgag tcgaagatca 180
tcctggatcg ggagacgcag aggtcccgcg gcttcggctt cgtcaccttc tccacggagg 240
acgcgatgcg cagcgccatc gagggcatga acggcaagga gctcgacggc cgcaacatca 300
ccgttaacga ggcccagtc cgcggcggcc gtggaggcgg cgggtggcga tacggtggcg 360
ggcgccgtga tggaggcggc taccgcggtg gcggtggaag cttacggcgt ggtcgtggaa 420
gcctaccgcg gcgtggggga t 441

<210> 21083
<211> 474

<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-044-Q1-K1-C8

<400> 21083

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ctatcccgtc aatcaagcct ctcgtaagga acaaggaagg tagctagcta gttctatagc 120
tgctgtcgtc gtcgtcatcg gcggcgccgg cgctgttct tagaggataa ggttgtccta 180
gcgagagagg agctagccag gatttcgggt gagatcaaga gggggagcag gcggcgccgg 240
cgcgatggg gcgcgggaag gtgcagctga agcggatcga gaacaagatc aaccgccagg 300
tgaccttctc caagcgccgc tcggggctgc tcaagaaggc gcacgagatc tccgtgctct 360
gcgacgccga ggtcgcgtc atcatcttct ccaccaaagg gaagctctac gagtattcca 420
ccgattcatg tatggacana aatcttgacc ggtacgagcg ctactcctat gcaa 474

<210> 21084
<211> 435
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-044-Q1-K1-C9

<400> 21084

gtggcgcca cagtgtggt gtacgtgcag acgcacgtgg gctggggctg gggcttcggc 60
gggcccgcg tggatcatgg catcgccgtc ggcagcttct tcgtgggcac gccgctgtac 120
aggcaccaga agcccggggg cagcccgtg acgcgcatcg cgcaggtgct cgtcgcgtgc 180
gcgcgcaagt ggaacgtggc cgtgcccgcg gacaagtcgc ggctgcacga gacggtggac 240
ggggagtccg gcatcgaggg gagccgcaag ctggagcact cggagcagct ggcgtgcctc 300
gacagggctg ccgtggtgac ggccgatgac ggcgcggagg cgagcccgtg gcgcctgtgc 360
tcggtgacgc angtggagga gctcaagagc gtgatccggc tgcttgccat ctgggccagc 420
gggatcgtgt tcgcg 435

<210> 21085
<211> 399

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D1

<400> 21085

aaagagactt gtttcaactt tttactccaa aacatttagt tttgctctgc ttaaggtaag 60
tgtagtgagt atcttcgata ttactttaac taccatttat gtttgcctt ttgaaaatgt 120
attaaccatt aattttgctg agatagagct agatactcat gtacctctat gtttgcctt 180
gtgatctctt gaaacttgct ctttaattaag acctttaggc cttgtagaat tgtagtctta 240
atztatatga tgggtgacag agaagtagct ttttctgaaa tgggataatt ggataaactt 300
tttagtataa ttttgtggag tgttattggt gctgaaaaag atcgaggaag atagatttgt 360
acttgtagt gtccagggga tttgcagagg aagcatttt 399

<210> 21086
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-D10

<400> 21086

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cgctcctcct cctcccagcc gcagctgggc gcggcgggcg cggtcctggc agcggcgctg 120
ctgctgctgg cgggcgggggc cgggacggcg tcggcgggcg tgagctgcgg cgaggtgacg 180
tcgtcggtag cgccgtgcct cgggtacgcg atgggcagcg cggcgctgcc ctccgcggcg 240
tgctgcagcg gggtagcgtc gctcaacagc cgcgcgtcgt cggcgggcga ccggcaggcc 300
acctgcaact gcctcaagag catgacgggc cggcttcgcg gcggcgtcag catggccaac 360
gccggcaaca tccccggcaa gtgcggcgct tccgtcggcg tgcccatcag cccaccgctc 420
gactgcacca agatcaactg atcgatg 447

<210> 21087
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B7

<400> 21087

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agtcttccaa tcctccttac actgattatg tttccaccag atgggtatcg gctccagagg 120
ttctactgca atcttcagtt tatacacctg ctattgacat gtgggcggct ggtgctat 180
tggtgagct ttttacctg tccccacttt ttcttggtga aagtgaact gaccagcttt 240
acaaaatatg cactgtgctt gggaccctg attgcactat ttggccagag ggaatgaacc 300
tgctcgttc atgcagcttt aagttttttc agaatcctcc aagaaactta tgggagctta 360
ttcctaatgc ttcactgaa gcaatcgatt tgatccagca actttgttcc tgggatcctc 420
gaaggaggcc aactgctga 439

<210> 21088

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A12

<400> 21088

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cgtatgcacg tacagggacc gaacagacac tgcgagagt agcatacttg tataccaagc 120
cgtgccagac tactcctggc tacaagcgtt caagtgaac aactgcatga gaaccacagc 180
tatccaccgc tacctacaca gaaatggact acagctacaa catcacgaac atatgccaga 240
cagt 244

<210> 21089

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A2

<400> 21089

ataaggaata cacatgggct ccctaaaacg ttttaattca ttgctagcat acttaattac 60
tggtctgtt aacttgctgg tcccgagagg aaatctttga ctgtaaaatg atcctgacaa 120
gtaccatttc aagcccaagc aacttttgaa acagattgcc accatctatg tccatatctc 180

aaggggctac atctaattctc tcttctcatc ttcaattctca aaagatgtca catcatacaa 240
 tgatcagttg ttttctagtg cagctaatat tctgtggaaa attgtggctg atcccaaat 300
 cata 304

<210> 21090
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A4

<400> 21090

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 tgcaagctct gcaagggtgag gtccgttcag tttggccaga agggcatccc ctacctgaac 120
 acctacgacg gccgtaccat ccgtacccc gaccgctca tcaaggccaa cgacaccatc 180
 aagatcgatc tggagaccaa caagatcatg gacttcatca agtttgacgt cggcaacgtg 240
 gtcattggtga ccggcgggag gaacaccggg cgtgtaggtg tgatcaagaa caggggagaag 300
 cacaagggcg gcttcgatac catccacgtc gaggactcca tgggccacca gttcgccacc 360
 cgcattgggca acgtgttcac cattggcaag ggcaacaagc cgtgggtgag cctgcccagg 420
 ggcaagggtg tcaagctcag catcatcgag gaggc 454

<210> 21091
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A5

<400> 21091

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 agcaaaaaac gccgccaagg atccttctct ctctctctct ctctctcttc gcgtccatcg 120
 acctgaccgc ggaggcgcgt gcttcttctt ccgctctctc actgcagtgt catgaagatt 180
 gagggaaact tgcattgttg atataccag ctgctttctg taacgaaaaa ctctgtgatca 240
 ttttgttgaa ttggtcactg tcaggaggag atctacttgt cagtttttgg tattaaggct 300
 gctggccttc ccttgcaggg tatctgtaga ataaatggga gaagcacact cggatgaatt 360

ttgccattgc caggggtg

378

<210> 21092
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A6

<400> 21092

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gtgcaaaaac gccgtcaagg atccttctct ctctctctct ctctctcttc acgtccatca 120
acctgaccgc aaacacgcgt gctatctctt cccgctctcc actgcacaga catgaagatc 180
gaacgaaact tgcattgttc atatacccag ctgctatatg taacgaaaaa ctctgtgatca 240
ttgtgttgaa ttgcacactg tcatggaggg atctacttgt cagatcccgg tattaagct 300
gatggccttc cattgcatgg tatctgaaga ataatggga caagcacact cgaatcaatt 360
gtgccattgc cagacatatg ctagcaagta tgcactactc ag 402

<210> 21093
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A8

<400> 21093

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ttctctccac atggcaggtc gcacttcctc tcaagtctac catatccctc catctacagc 120
tcacgacaaa acgtccacct aaacaatctt acctatagtg aaaatccaat catctacatg 180
acgatccacg gatatatact ctactgtgca ctaaccagtg tgcctaagag acattagctc 240
atcctgagca ttacactgtc tatagccact cggattagcc atcgccacag ctttgcttgc 300
atttagtaat cttaccaatg gctatgcaaa ctgcttatgc gtactctaca gcttgcttcc 360
agccttaacc ctcttcctgg ccttcgatcc gactttta 398

<210> 21094
<211> 427

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A9

<400> 21094

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gaggaagcga gcgcgcgaaa gtatcaggag gaggcattggg taccctgggg cgcgcgatct 120
tcacggtggg caagtggatc cggggcacgg ggcaggccat ggaccgcctc ggatccacca 180
tccagggcgg cctccgcgtc gaggaacagg tttcaaggca tcgtacaatc atgaatattt 240
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gggatgttga gattggtcat ggatcgtcaa tctggtacgg atccatattg agaggtgatg 360
tcaacagcat tcatattgga tctggtacta atatacaaga caattccctt gtacatgttt 420
caaaagc 427

<210> 21095
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B1

<400> 21095

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gcatcaagcc ccacgcttaa ggtcaggggt tctggtggag cgtcagggcg atggtgtttg 120
gggcgttcct ttatcaacaa ggggtagaga aggaagaagg ttaatggaga ttcggaatgc 180
acttgaaatg attcaaaggg gggaaaatgt aaggctcgag tctatcttct atggcggcct 240
cgacattcat gacagacaca gggacatgcg ccttgacatt gacaatatgt cctatgagga 300
actattagca cttgaggaaa ggatcggaat tgtagcact ggcctcagcg aggaagctgt 360
gataaagttg ctcaaacaaa ggaaattttc atcgtggaga ctataagcat ctttggaccc 420
agaaccatgc t 431

<210> 21096
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B12

<400> 21096

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ttcgcggcca cgtacaagaa ccgcacggcc aaggccaagg cggccatcct cctctaccac 120
gccgtgccgg actactttctc gctgcagctg ctcaagtcca acaacggcat ggtcaccacg 180
ctggccaccg ccagcgacaa gaagatggac tacagctacg acgtcaagaa caaaggcgag 240
acggtcacgc tgcagaccag ggtcgtcacg tccagcgtca ccgccaccgt tggcgacatg 300
gagccgttgg ccgtgtatgc cgtgaacaag ttctgcagc ccaaggagct cttcaaggtc 360
gtcgaagcgc ccgcgccccg gccgggaccg ttcaagaaga ag 402

<210> 21097

<211> 453

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-B2

<400> 21097

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gggtcaaagg actacgtaca cgtgcgcata cagcagcgta atggctcgaa gagcctgacc 180
accgtccagg gattgaagaa ggagttcagc tacagcaaga tcctcaaaga tctcaagaaa 240
gagttctgct gcaatggtac agtgggtccag gaccagaac ttggacaggt cattcagctc 300
cagggtgatc agaggaagaa cgtctcgaat ttctcgtcc aggccggcat tgtgaagaag 360
gagcacatca agattcatgg gttctgagca accgnnggt ccatagcana ccaaccctgc 420
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<210> 21098

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B3

<400> 21098

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tatgagggaa gaaaggagac tatggcatct gggcaggcta ccagtgcac gaatgcagaa 180
cctaacgaac atgacaactc agctcactcc gagggcactg tacagactcc acatgaacgt 240
gttcgcctta gtggatgcg tgctctgcat cagcttgctg ctagtacaac ttgcgcagaa 300
gctatggcag caacaagtgc atgaactcct gaggtgttac cactgcttat gaaagcaatt 360
ggatggcaag gtggaagtat actggcattg gagacattaa agcg 404

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<210> 21099
 <211> 139
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B5

<400> 21099

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atacctgcta cactgtgca 139

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<210> 21100
 <211> 440
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-044-Q1-K1-A10

<400> 21100

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aaggccaagg ccgaggtata ctacggtgac gagatctgcc agctgtgtac ccagctcctg 180
ctcagggaag caggcctccc caatggctctg cttccattga aggacctaat cgagtgcggc 240
tatgtccagg aaactggatt cgtgtggctg aagcaaagca agagggttga ccacatcttc 300
catagtctan gaaagctggt ctcttacggc aacgagatca ccggctatgc cgagaagggc 360

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aggatcaaga aggtcaaagg gataaagacc agggagctca tgctgtgggt cccgggtggag 420
gagattgctc ttgatgatga 440

<210> 21101
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B6

<400> 21101

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aagtcatgag ttgccacaca ctaaccaacc tccaagtac aaaatatact ggtatgcttt 120
gtgggttggt gcaactcgtct tgctgttagt tgggtaagta aatccatgag gctgggttcag 180
tatatttggt gtagacatgt ctttatgcgt ttattaaaca tatattgcag aaaacgtgct 240
acaaagattc gtgattctgg actaatgcta aattttggac gagctataaa gatattactt 300
gtttttgtga aagcttgaaa tagcactaat gtcaaattct tggggcacag gtttgtgatt 360
tcactagtga tgcttttcaa agggaagaac gggaacgatg gctgccattg gtgccactac 420
ctgaactgcg tgccaacatc caagtgggag tgt 453

<210> 21102
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G5

<400> 21102

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ctcgggacga gttacttaac actcagagca gaactcacia ctcaaagcat tccatgtaca 120
tacaaaacct actataaatt acaatataca ttaacatact tcacaatcac attctcaatc 180
ctaatgaagc aaactaataa caaatcacac acaatgatct attaccacia caactcaaac 240
ctacttccac accttcactc ttttgatcac cacttttaca ctctactaca ctaattactc 300
taacattctc cacacatact cattaatcac ttc 333

<210> 21103
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G6

<400> 21103

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 aagagggttag agaagctggt ggagaggcag atagaatatt ggaaggaatt gcagagatgt 120
 ggctgcggct ggtgcaggct ctacgcaagg tgtgcatgga tcaaagagaa gaagtgagga 180
 accatgcatt gttatcggtg catagatgct tggtagttga tggaatatca gttaagtctt 240
 caacatgggt gatggcattt gacattattt tccagttgct tgacgaactg ttggagattg 300
 ctcagagcta ctcaccaaag gatttcagaa acatggaggt atctctcttg catgctgtaa 360
 aactgttatg caaggtgttc ttgcagtcac ttaaagacct ctcaggacag cacagttttg 420
 ataagct 427

<210> 21104
 <211> 361
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G7

<400> 21104

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 ggcagagatt tatagaagct ggggtatgac caaatacaat attcattcga attgcacaca 120
 tatcgctgcy tctagttcag actctacgca aggcgtacct ggctcaaaca gaagctttca 180
 ggatccatgc attgacatct gtcactctat gctcgatagt tgatagacta tcagcttact 240
 cttaaacaatg ttcatgagca ttaccatta ttaccagtc gctcgacgat ctctcgatca 300
 ttgcctagag ctactcacc aacgattcca caatcatcta ggtctctact cttgcatgct 360
 g 361

<210> 21105
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G8

<400> 21105

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agaatgacac agaagctggg tcataaccac atagactatt caatcaaatt gcacacatat 120
ccctatcact attacattct ctactcaaga ttcgcatctc tcaaacacaa gaattcatga 180
tccatgcatt gatatctttc catcaatgct ccatatttca tccaatataa cctaactctc 240
caacatacac tatctcattt accattacct tccagtttct cgatcatctc tcctacatta 300
gctagagcta ctcatccaac gatttcataa tcatataagt atctctct 348

<210> 21106

<211> 176

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H1

<400> 21106

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agagcagcac ctcaatgtgc ttgggtttgc tttgctggct ctctgttttc gtcttggtgt 120
gcttttaatc tggcacaggt ttctaaatta taataatgaa tacttttttg tccatt 176

<210> 21107

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H12

<400> 21107

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cgcgattgtc gcggttttgc ccgtcaccat cgctcgtcgg gcgccgctac tcgacgcgca 120
gtccgtactc ccgcataccc tctaccggc gccgctcctg gaactcaagc gctgggtacgc 180
cgccgagttt ggcgactacc tcatggccca gcccccggc ttcttcogtg gccttggttg 240
cctcgagctc gccttccaat ggccgctcgc cgctcgccaca ctctacggca tcctcaccgc 300
ccgccgctgg gctgccacca cctccctcat ggccggcggt ggcaccctca cctccatgtc 360

tgcaattctt ggtgagatgt taggttcaag caaatcaaca ccaaagttgc ttt 413

<210> 21108
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H2

<400> 21108

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ctagaaccac ctggattcag tttccagatc gtaaatacaa atcttgatga agttagccct 180
cgtgctcgac gaagaagtgc tttacttaca tggcaacata tagcatcgct gccaccaat 240
ttgcctgtta tctattgtgg aggcttcaat acacagaagg aatctatgac tgggcggttt 300
ttgcttgga gatccagaga acatggtgtt gctggtgata tgagagatgc ttggccaaat 360
gctcgagtgc gaaaaaatgt ttcactaata cacacatatc atggatttaa aggggagaaa 420
caaggtgccc tggaatttct taaat 445

<210> 21109
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H3

<400> 21109

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ggcgagtcgt ccgcccgcga ccgggattcc ctccgccaaag cgcggatctg aacgctgcgc 120
tccgtgtcgt cgctcgaatc cgccatgaag ggggccaaat ccaagggcgc cgccaaggcc 180
gatgccaaagc tggcggtgaa gagcaagggg gcggagaagc ccgccaaagg caggaagggg 240
aaggccggca aggaccccaa caagcctaag agggctccca gcgctttctt cgtgttcatg 300
gaggaatttc gcaaggagtt caaggagaag aaccctaaga acaagtctgt cgctgcgggtg 360
ggaaaagctg ctggcgacag gtggaaatcc ctgagcgagt cggacaaggc tccctatgta 420
accaaggcta acaagctcaa gctag 445

<210> 21110
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H5

<400> 21110

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gggtagctgt tgcccaagtc gagttgctaa caatgaacgt gcagcagccc tctgatgttg 120
ccggacccag cgaggggggtg gcggcgatct ccaaaggggg gaaggtaggg cctaaccggt 180
gcagcgcctg caggaagagg gttgggctca cgggattcaa ctgtcgggtg gggaacttgt 240
actgcgcgct ccaccgctac tccgacatgc acgactgcaa gttcgactac cgggtctgtg 300
acagggacgc cattgccaag gctaatacgc tgggtgaaggc agacatgctc gacaagatct 360
aaggtggggtt ccctacggct ggtgtcaaga agattgtaat accgcgtaac tcgtcatg 418

<210> 21111
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H6

<400> 21111

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gggttgcatc catgggacgc cctcatcttc ctgcactaca gctggcctcc tgtgcttact 120
acgtcaatca ttccctccat gagaaactcc ttctctccta catcgctta gctatctact 180
tcacaccaga agccattccg ttccactaac caatccatga ctcttagtgc ccaaactcgg 240
cgtcctatgt ccccatatgg atgagtcatg ttcttgatc cctgacatca cacatattaa 300
caciaaccgg ccatccaaaa tctggacatg caagcttgca tagacatgct ttgaacagtc 360
agatctgcaa acaac 375

<210> 21112
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H7

<400> 21112

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caccacctaa cgaccctgca gctgcaagga tgaattctgg acatactgca ggaatcaggg 180
ctccaaaaga acccaccacg agaaataacg atcctttttc agatctttct gctataaagc 240
aaaatctacc ttcattctgct gaaccgggac aaacaaagag cacaggagct ggatgggcag 300
cattctgacg atggatgcat gatctactgc tactattggc attcgtgtat ctgaagaacg 360
ggaatgggta gttgaagcac cgaacaagga tctggaactg ctggatgcct ctaccctct 420
cgaaactgaa t 431

<210> 21113

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-H8

<400> 21113

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gaagagacac tccaacgcgc tcttaagctc gtcaacgagt gccagaggaa gcacgtcgtg 120
ctccattact taaatgccgg cggcattgtcc aagaagctgc gccagggtgca ggaggatata 180
tcatataaat tgtggaatgg ggtcttgccc accgttgtcg acacaaggat tgctttggaa 240
aagcagatcc aatctgctat tgatgccct ctgcaccaac accaacagcg tgcaaggcaa 300
gtggaaacct caciaagtag tcattcaaga actgatcaag ctagcgagaa aggaaaggcc 360
atgttagcaa gagtaaaaag ggagcaatct gaactttt 398

<210> 21114

<211> 238

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A1

<400> 21114

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 ctggataaat ttaaaaaaaaa aactattcaa ataccataa taactaaaaa aatataataa 120
 tatactatta ataaaacccc ctaatcactt tcttattaaa aaaaatctcc accttttcat 180
 catccacttt taactcacc ctcctttccc caaataaccc tttactaccg gtcccca 238

<210> 21115
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G4

<400> 21115

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 ccaaataatt gtacaaagat gctgaccca gccatgccag ataaacatgc gacttaaaat 120
 aacagtctat caaccaagaa aagctatgta gatgactgac gactctgatt tcaccgaaca 180
 caaacattca tctcggagaa aacacaatga aaatttgagg ggaagctgaa ccttggaac 240
 gaaatgaatg gaatggcatc catttgaccc ttgtttgcct tcaaccttca ctctttatca 300
 tctttcttat catcgatgc aggagcctcc tctttctctg cattttcctc cttgctgggc 360
 tctgccactg ttaacttctg tgccaaatca gaagcggcag tggagacttc atcattttct 420
 ttctcctcgc tctttccttg ctgttcagct atctct 456

<210> 21116
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F1

<400> 21116

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 cagacgtttg aaggagggca cttacaaagg aaagaagttt aatgcaatct gtcacttctt 180
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 ggggcagtgt tgctaccaca tcatagctgc cgtttgaac gggttacatgg ccacagtgc 300

aaatgttaag agtccagtga acaagtggcg atgtggtgcg gctcctatatt cgtctatgat 360
gactgtgcag cgatggtcgc gtggcccttc agccacccaa atcggaagc ctgctgggtca 420
catg 424

<210> 21117
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F2

<400> 21117

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caaaccggca gtggtgggtg ctatcccaga tggcgggcag catgcctcgc ttatctaggg 120
atggtgacca ccttttcgtc acatggaatt ccttatctgg ctattaatat tgattcattg 180
tacattctaa tattgtactg tgattaggct atactcgctt tgcattgtctt tcaccgatag 240
atggccagag tcatatcctg ccaaccaagc agagcagcca ttctgatttt ggtctatgat 300
acttttacca acaaaaatta agaatt 325

<210> 21118
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F3

<400> 21118

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ccagtgcggc cggcagtcct ctccgcgaga ccggcggcgg cggcgggtggc ttcccgacgg 180
aggccccggt ccctttctgt gtgctgcgag gccggccgga aaggggatca caacccaaag 240
acggatctgc atccatttaa catccctgcc ttcgttctgg tgcacccggt ggcaccacgt 300
gaggaacgat ggcagctgga ggatgacgcc gacaaggtga acctgtggtt cgaggtgcct 360
gggcagtcga aggatgacct caccgtggag atcgacgaag acgtgctcgt catc 414

<210> 21119
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F4

<400> 21119

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tagttcatcc cacatgtcag gcatcatatc tagcttacct agtcatcggt accaccctta 120
atccacattc aattccatat ttactctta ttattgctac attatacatt ctaatattat 180
actgttatta agctttactc catatacaca tctctcacac actatatctc cctattcata 240
tcctgtcaac caacacaaac acacacattg attatcgtct atcatacttc caccaacaaa 300
ataca 305

<210> 21120
<211> 222
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F5

<400> 21120

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agcaagcaca ggcagctgga gtcggaatgc tatctgcaac taattgacag cgcgtgtagt 120
gcgctgctcc cggggccgga accttgcattg atcggaagct tgccatccgg gcacacagcc 180
cagaccaacg gcatccagga agacgttaca tagagctcgg ta 222

<210> 21121
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F7

<400> 21121

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cggcctaact tcaagaaggt cattggtgag gtcaagcagg cagagtctgc acctactatt 120
ccgaaaaagg ctgtccttc taaggagcca aaggcaaagg atgtcaagaa ggaggctcca 180

aaggaggccc ccaagccaaa ggtgggtgag gcaccagcag aagaggaagc accatagcca 240
aagccaaaga atcctcttga cttgctgcc aagcatga tggccttga tgactggaag 300
aggctatact catacacata gaccaacttc cgagagggtg ccatcaaagg tttctgggac 360
atgtacgacc catagggcta ctccttgtgg gtctgtgact acaagtataa tgatgagaac 420
accgtcttcc ttgtgacc 438

<210> 21122
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F8

<400> 21122

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ggaacaattt tgcctttcgt actctatata cagaaaacat tgcgcaggag gcctttctta 120
ataaaaaatc ttgaaaatgt tatgcgcaa ttcctccaat ccttggagtt ctttgaggaa 180
aatgagagga agaaactcgc catattcaca gcccttgcac tttctcaaaa gctgtcaggg 240
cttctccgg agacagtgtt ccagccattg ctcaaggata atctggttgc caaagggata 300
gtactttcat tcataactga gtttttcaag gactacctga aggaaaacac cttggatgat 360
ttgattgcgc ttttgaagaa aggaaaaatg gaggacaatc tgttggactt ttttccatca 420
gctaagagat cctctg 436

<210> 21123
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G1

<400> 21123

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ctcttagaga atcacttctc agtcctcaca gatccaggag tgcaggagga gctctagcgc 180
tctaccaaac aggctaaca agagaacgga agttatggga gtagtggtgc ctacttgtct 240

tgctctcttt atttaatttc tccaacactt cttgatcact gtgtggcagg aggttagcaag 300
 agcaggctag attattgaac tgcgactgat ctggactgta actcgctcca cattttctac 360
 cgagctctgt gctctgcagc tcgcacgcct ttgat 395

<210> 21124
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G2

<400> 21124

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 ggataacagt gatctcatca ctcatgaagt catgggtggc ttaaaaaatg tctatgctat 180
 tgggtgctggt atggtagctg cactaaccaa cgagagtga accagcaaat ctgtttactt 240
 tgcactttgc acatctgaga tgatctacat cacacacctt ctggaagaag aacctgaaaa 300
 acttgctgga cccttattag ctgacactta tgtcacattg ttgaaaggtc gtaatgcatg 360
 gtatgggcag aagtttagcta aagggtgaatt gacattagaa atgggtgaca gtattaaagg 420
 aaaagggacc attc 434

<210> 21125
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-E9

<400> 21125

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 tccttagaag atgtgccgcc ctttgatacc tactcgcggt ccatatactc agtacagatt 120
 tcttggaac ttatagcaga tcacgtctaa atatcgccct accatcactc caatcggtca 180
 tggagcctac cgcattctct gctcggcggt gaactcggag acgaatgaaa tggtagcggt 240
 taacaagata atcaactctt tcgataatca catggacgct aagcgtagcg ttctggaaaa 300
 taaccttctc cgacatttgg atcacgagaa tggtatcacg atctgagatg tcaactgcttg 360

ctctt

365

<210> 21126
<211> 415
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-043-Q1-K1-G3

<400> 21126

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cggccggagc gactcgccac cggcgcggag aaggagggcg gaggctaggc gatggcggac 120
gagaatgagg ctgggaagaa agaggaagag gaatttagca caggccctct gtcagtacta 180
atgatgagtg ttaagaacaa caccaggtt ctcataatt gccgaacaa caagaagctg 240
cttgccggg ttcgtgcttt tgatcgccac tgtaacatgg tgctcgagaa cgtgcgggag 300
atgtggacag aggtcccaa gactggcaag ggcaaaaaga aagctctgcc tgtgaacaag 360
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<210> 21127
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<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-D4

<400> 21127

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tcttgaggca gagatgtcat ggaatgtgtt gatctcacct agccagctgg accgcaaggg 180
cctctgctc cgcaaggcta tcattgtgcy tcttctggag gatgtcacia acaggagggc 240
ttcgaaagag catggctact acattgctgt taatcagctg aaggcaatat ctgaagggaa 300
agtgcgtgag ctaactggag atgttctgtt ccagtttca tttacttgca ttacacagaa 360
gcctatgaag ggagaagtca tggttgggca cgtggacagg atcctcaagc atggcgtgtt 420
cctca 425

<210> 21128
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-D5

<400> 21128

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gcagatactg actatactac tatcactatg atctgagcta tattagttct tctacctttc 180
ttcaaccctc tctttgatga actcactctc ctacaagcca tcatataacc actaccattc 240
attactggtg tgtctgctat cctactttat cttcacctga atgactatcc tctcaatgaa 300
tttata 306
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<210> 21129
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-D6

<400> 21129

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gggtgtcactt tatttcacag aaatagcaat gaataaaata aggttaagca gtcttgaaaa 180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
aaaggggggg agagttagg ggtccaaggt ttaaaaacgt gtgattggga ataaaaattt 360
ttttattggg gtcccctaaa tccattttat tgcccatttt ttaaaaactt cttaatggga 420
aa 422
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<210> 21130
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-D7

<400> 21130

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gcgacgctga accatccgcc agctcgtcct cggtttggct gcatcaccta cggctactac 180
ctgtcgtatt tctgggcgaa cgatgaacgc actcgaacag ctcttgggat caagaaggga 240
acagtggacg agtgggtgag gtgtcacgac gcagacctgc cgtacacgat cgacctcaag 300
agcgccatca agtaccaccg gaacctgacg tccagaggct accgcgccct ggtgtacagc 360
ggcgacctg acctgctggt gccacacctg ggcacccagg catgggtcag gtccctcaac 420
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<210> 21131

<211> 276

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-D8

<400> 21131

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ccacactcaa gactgattct atccaaaatc cggcaaccaa cctacctcat actaccaacc 120
cacctaatac ccaattcatc acatctatcc aacaatcttc acctaacaca cattaaatct 180
aataattcca ccatctctct ctcaactact cacacaacta tctaccacaa tcataattcc 240
ataccacaaa cacctcaaaa tacacttact tccata 276

<210> 21132

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-E1

<400> 21132

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acggcgacgg ccacggccac ggcagctcct cgccacgcgg cgctcttctt gccctgctg 180
 ctgctcctgc tcggcctcca cgccacgtcc gccgccgccg cgcgcgcggg cgtcgccgtg 240
 gacgccgagc tcacgtccac caagccgtcc ccgggtcccga agaagcccag cgtgaagccg 300
 cccggccccg gcgcccgcgag cccgaccttc ccgggcttcg gcatccccgg gatggggcggc 360
 ggcgggtggg gcggcggcta cggcggggccc ggcgggcgggt acgcccg 407

<210> 21133
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-E2

<400> 21133

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 aagaaatcat gaagattgtc aaggaggcaa gaaccttgcc aaaatcgtcg agatcaggct 180
 atggctacag tgaagaatgc tcagatgagg aggaaaagga agtggagagc gaacccaaag 240
 aggaggaaga agaagctgag tgtgataaga cagttagga ggttcgcgag agcggggagc 300
 tggatatgac ctactgcac atctaaatgc tgctgtgag gctgtgacgt gtctgtagat 360
 aattggcttt attgtctgct gaatttggtga gaacttatgc aattctggcg tcagatatag 420
 tggcttatat 430

<210> 21134
 <211> 463
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-043-Q1-K1-E3

<400> 21134

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 gatgggggca taccaaactc atttggggga gctgaacaga cagcgaaaaa gagaaagaag 180
 ccaggctcat cctctggtag agccaatagt tcaggcacag ccaatactgc tggctcctct 240

ccaagttctg caccctcgac accttccact catacaccag gagatgcaat gtctgtgcca 300
cagctgcagc agaatggcgg ttcagctaaa cccatggtaa tgtttggctc tgatggaact 360
gggagcttga catctncagc aaaccattg gatgatgtgg accgtttgct ggaagatggc 420
tcattggatg ataatgttga aatctttcta tcacaggatg aca 463

<210> 21135
<211> 423
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 21135

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ccctcgaggc tcacctcgcc ggcaaaacct atgtgtctgg tgactccatt actaaggatg 180
acattaaggt cttcgccgcy gtgccgtcga agcctggcgc tgagtttcct aatgccgtcc 240
gctggtacga gaccgtctct gcggctgtag cctcaagatt ccctggtaag gctgttggtg 300
taaactctgcc tgcgggatca gctcctgcgg cagctgctcc tgcggatgag gctgaagatg 360
atgatgacct tgatcttttt ggcatgaaa ctgangagga caagaaggca gctgatgagc 420
gtg 423

<210> 21136
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-E5

<400> 21136

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ttctcaagtg ctcttcatc ttccccgagg tggcctgtga caagtatggc atgaaggatg 180
ccatgtacca gcaactggaga tggcagcctc atggatcatg atgcgacctc ccaagatttg 240

atgccatcaa tctgcttgaa aatctgagaa acatgagaat ggtgtttgtg ggcgactcag 300
tcaacaggaa ccaatgggtc tctctcgtgt gcatggcgga ggcctcaata cctgacgaca 360
ggctcaagat acgcaccttc aatggctcac tcctctcctt caaggcattg gaatacaacg 420
catcgataga tttctact 438

<210> 21137
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-E6

<400> 21137

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tatgagtgtc ttcattgatta aagcatgtgc ccggcattgg ttagtgagg tttgggctaa 180
taatcatgtt ctcgctgcta gcgggccacc actagttctc ttgttaatgc tcatttatct 240
aatgaatgta gatacatgag tttagaattt gtcaaccctt gactgataag tgttgtagt 300
attgtttgtc atgaatttgg tttgtttggt caaagtgggt acgtggagca taggtttgag 360
gtataaatga tgtgaagaat atgaattata ggcaggggtg gatttgatta aaaatactct 420
atctgctaag tcataaaat 439

<210> 21138
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-E8

<400> 21138

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ggatgttttt aagataacaa tgttcttcgc tcggtggttc actgctgctt gtgtctatga 120
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaa ggcgcgccct tttaaggtac caagcttaac ttccccgtct ttcaaaagta 300

ataccttttt aaaggggacc caaaattaa ttcaactgcc cttgttttaa aaacttctta 360
ccgggaaaac ccttgctttt cccaaattaa atccctttg 399

<210> 21139
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-D3

<400> 21139

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ggttgctggg tggacgacga tgaggaggag gggagctgca ggggtcgtgc gagctttctt 180
caaccctctc ggggatgagc gcacccctcg agaagccatc aaggagccag tagcattcat 240
gggtggtgtg tttgctggcc tcttgaggct tgacctgaat gaggatcctc tcaaggaatg 300
gataagtcgg acagtggagg cttctggaat agctgaggaa aacagctctg aagaatcaag 360
tgaggcagat caaatgatg cacctcagca aattgagatt gagtgaggtg cattgtctac 420
ttt 423

<210> 21140
<211> 404
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-043-Q1-K1-B7

<400> 21140

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tggtcccaaa aatcaatccc tcgccgacaa aggagagcca gccaaatctt ccacctctc 120
catttccagc cccgtcccca caccagctcg cgtaacctcc tccccatggc tggaggcggc 180
ggcgcaggcg caggctcgtc gtccggcggc ggcggagggg cggcaggag ggcgactggg 240
actgcggcag ctgcggcaac cgcaactacg ccttccgctc gctttgcaac cgctgcaagc 300
atccgcgcct nctcgtcgac cccaacaccc cgcgcgactc caagtggcta cccgcgccc 360
ggggactgga tctgcaccgc agcaactact tgcaaatgca aact 404

<210> 21141
<211> 174
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-B8

<400> 21141

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cctaggtagg cttcccacaa tcaatcggtg gccacatac tacaccaat caaatcatcc 120
acctactcca tttccatccc cttccccaca ctaactctcg taacctccta ccca 174

<210> 21142
<211> 284
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-C1

<400> 21142

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ggaggcgctg taggatcaca ggccgacata cgacgcagag cgtcaaaggg ttatcgcgctg 120
cgggtggatac atccgaagat gggtagctca tcggcgctact atctgtgacc cgggctgtaa 180
ggcactggga catgaatctg gccctagagc tcttagtagg acattatcgc acagccagag 240
atccactgga ccaccctgac ggaagactac gagatgctca tcat 284

<210> 21143
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-C2

<400> 21143

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agctataatg gaaaagattt cttgtactca ggcattcttg gtcagcctct tgaggcatac 180
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gctcgagcta gtggaccgcg ggtgttactg acgaggcaac caactgaggg gcgaagccgt 300
 gatggaggct tgcgtcttgg tgagatggaa cgtgattgtc taattgcata tggcgcgagc 360
 atgctaatat ttgaacgtct actgttatca agtgatcctt atcaagtcca ggtttgc 417

<210> 21144
 <211> 287
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-C3

<400> 21144

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 atatctactc taatcaatca taatctcaac tataatccca aaatatctcc attaatcaaa 180
 cattctttac caacctctat taacatacat ctatctttaa ccaatctcct atcacacact 240
 aaaccacact ttcacaaata taaatccatt ctccatacta ctatcac 287

<210> 21145
 <211> 339
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-C5

<400> 21145

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 ggtgactaca tgcttgatga gattgaacgg tccttgcatt atgccctgtg cattgtgaag 120
 agaaccctgg aatcaaatat ggttggttgc ggggggtgtg cagttgaagc tgcgctgtca 180
 gtttatctgg agaaccctgc aacaaccctg gggtctcggg aacaattggc aattgctgaa 240
 tttgctgagt ctttggttaat cataccaaag gtactatctg ttaatgctgc aaaagatgca 300
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<210> 21146
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 21146

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aagttctctg gggtatctct ttggaagcgg tgagccccc aaaccagcag tggcaccagc 180
tgcaagtgct ccacctgttg agaaaccatc tgctgcaaag actgatgcgg ccaagcaggt 240
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caacttcctt acggaccgtc cttcaaccaa ggtccacgct gtcctggcg gtggctcttc 360
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tnccctgcct gctgctgct at 442

<210> 21147
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-B6

<400> 21147

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ctgagggctc acttcaagaa cacaagggag acagcctttg cgcttcgcaa gttgtctttg 180
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ggccgctggc ccgttaaate agccagggtc atcctggatt tgctgaagaa tgctgagagt 360
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caagcccaga agc 433

<210> 21148
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A3

<400> 21148

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cgagtggacc gccaaagcagc actccggcga gatcgaggct tccgccgcta ccccatacga 180
gctgcagcgc cgctctgtcg ctgccgcctc cgcggccgac tctgcctacg gcgtccagtc 240
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tgctgccgag gctcccaagg aggagaagaa ggaagaggag aaggaagaga gcgacgacga 420
catgggaatt ctctgttctg actaggagt 449

<210> 21149

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A4

<400> 21149

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catggcattt cttgagagtg aacacatgac agccatccca tgccgcttta cgctgcaccc 120
gtgcaaagtt ggccatctgg ctggtgcaag ctctagtggg aagggtgttc tctggaccag 180
agcttgaagc aggctgatca tcgactgact gggatgtcct cggcctgttg ctggccctgt 240
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gcattatcct gcttttaatg tataagggct agtttgagaa ctctattttt tcaagggatt 360
tctgtttttt taatagaaaa tgaactaatt tctattggaa aaataaaaaa atcccttaaa 420
aaaatgaggt ggctaaacta gccctaatag ttgact 458

<210> 21150

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A5

<400> 21150

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taaatatatc ctagtagata ttttatgttt ccatgcgatt atgcattatt actattcgat 180
gtcatcttac cttttataga aacaacggtt gaggtcttgc cacggttggtg ccaaatacaa 240
tatgccagtg gtacactcga ggagcttctg tatgttgata tgccgagaga gtcccagaat 300
tcatctggac agattgtttt ggactatacc aaagcaatcc aggagagtgt ctttgagcaa 360
ctgcgtgtag tccgtgaagg gcatctaaga attgtattca accaagactt gaagattgca 420
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<210> 21151

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A6

<400> 21151

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gtcccagtcg gatatgggtat caagaagctg caaatcatga tgaccatagt cgacgatctt 420
gtctctgtcg acactctcat 440

<210> 21152

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A7

<400> 21152

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gggatcaagc cggaggtcgc cattaccatc cccaagcgt gcaacatggc cgaccgaccc 360
gtcggctaca agtgccgaga ttacacgtg ccctagctga tgaagacgtc gtcaacgaga 420
ccgtgcgagt caagtgcatt aacgaatgcc attatgccat gcaac 465

<210> 21153
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A8

<400> 21153

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caaagcagta cgtggcgacg cggccggtct acccgccgga gctcttcgac ttcatcgctt 180
ccaagacccc tcgccgacg atggcctggg atgtcggcac cggcaacggc caggccgcag 240
cgtcgggtcag tcgacctgc atcctcgctc tcccctacac ggacgctgc acacgcactg 300
tccgtgcatt atctttataa agtaaaggct ggctgggtga actttcattc aacttgacg 360
tggcgaagct gtacaagcac gtggtgggca cggacacgag cgcgcatcag ctgcctacg 420
cgacgcgcc 429

<210> 21154
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-B1

<400> 21154

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 tgatcctcta ttatgaggat ataatcagca acagcaatgc attatcccgg gtgcaagagt 180
 tcctcgggggt cccggtgagg aggctgatga gccggcaggt gaaaattcac acgaggccta 240
 tttcggacct tgtcaagaac tgggaggaag ttagcatcaa actgaacggg acagagtttg 300
 ctcacttcct tgatggttca gattatgcca agtgatggac ggcaggttat tcgcatttgg 360
 agttgtagtt gcaaacatgc tttagaattc tttgtacag atgagtttgt aatgagcaag 420
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<210> 21155
 <211> 416
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-B2

<400> 21155

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 agcgacgctg agcggctgtt cttcttcgag atggcctgca agaactccga ggtcgcgtac 180
 gagcagaacc ccaacgacgc cgacaacctg acgcggtggg gcggcgcgct gctggagctg 240
 tcgcaggtcc gaaccggccc cgacagcctc aagcttcttg aagatgcgga agccaaactg 300
 gaagaggcac ttcaaattga tccaacaag tccgatgcac tctggtgctt gggaaatgct 360
 cagacctctc atggattctt cactccagac aatgcaatag ctaatgagtt ctttac 416

<210> 21156
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-B3

<400> 21156

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 ctccacaccg ccgacgggct caagtccttc gaggtcacc tcgccggcaa aacctatgtg 120
 tctggtgact ccattactaa ggatgacatt aaggtcttcg ccgcggtgcc gtcgaagcct 180

gtcgtgagt ttcctaattgc cgcccgctgg tacgagaccg tctctgcggc tgtagcctca 240
agattccctg gtaaggctgt tgggtgtaaatt ctgcctgcgg gatcagctcc tgcggcagct 300
gctcctgcgg atgaggctga cgatgatgat gaccttgatc tttttggtga tgaaactgag 360
gaggacaaga aggcagctga tgagcgtgcc tgcgtgccca aggcctcttc taaaaagaaa 420
g 421

<210> 21157
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-B4

<400> 21157

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cgagagggaa gagatggcgg cgtcggacgt tgagtaccgt tgcttcgttg gcggcctcgc 120
ctgggccacc gacgaccact ccctcaacaa cgccttcagc acctacggcg aggtcctcga 180
gtcgaagatc atcctggatc gggagacgca gaggtcccg gccttcggct tcgtcacctt 240
ctccacggag gacgcgatgc gcagcgccat cgagggcatg aacggcaagg agctcgacgg 300
ccgcaacatc accgttaacg aggcccagtc ccgcgggcggc cgtggaagcg gcggtggcgg 360
atacggtggc 370

<210> 21158
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-B5

<400> 21158

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ggcgtaccac ttggcgacta ggcagcctgc ccggggccag atccatggct tccggatgtc 120
tctttgttac gagcacctgg gaatgctgga agacgtcttc cagcggcccg agagcgtaga 180
gtgtgtgcag atggtgaaca aggtcgccga gaagtactgg gacctgtact cgagcgacga 240
cctggagcag gacctcccg gccacctcct cagctaccgg atcgggtgtca ctgccgacgg 300

cagcggttacc gagctgcccc ggatggagaa cttccccgac acccgcgccc gcgtcctagg 360
gaacaagtcg gattaccttt ccgccatcct caccacatag agtgcacac 409

<210> 21159
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A2

<400> 21159

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cgtggctccg atgaagctgt acggggcggt gatgtcgtgg aacgtgacga ggtgcgcaac 120
ggcgctggag gaggtcggct ccgactacga gatcgtgccc atcaacttcg ccaccgccga 180
gcacaagagc cccgagcacc tcgtccgcaa cccgtttggt caggttccag ctctgcagga 240
tggtgacttg tacctcttcg aatcacgagc aatctgcaag tacgtgctc gcaaaaacaa 300
gccagagctg ttgaggggaag gaaacctcga ggaggcagca atggtggatg tttggatcga 360
gggtggaggct aaccagtaca ccgctgcact gaatcccatc ctcttcagg tcctcatcag 420
tcctatgctt ggggga 436

<210> 21160
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-G3

<400> 21160

aatgaaaaca tcaaagcgcc tgtcaataac actcatgacc catgtcgcct tcaaggcgt 60
gaccatcaac cccttcggcg agctcttcag cgaccgcttc accgacatcg atctgatcac 120
catcatcgac cgcaaggcca tggtc 145

<210> 21161
<211> 467
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-042-Q1-K1-G4

<400> 21161

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cggagcccca agcccatcca ctgcaaagcg gcggtgtgca gagccgtcgg cgagccactc 120
accatcgagg agatcgctgt cgacccgccg aaagcgtacg agatccgcat cggggtcgtc 180
tgcacctcac tctgccacac cgatatcacc ttctggaaag ctaaggtggc accggtgttt 240
ccaagaatac tagggcatga ggcgtacggn gtagtggaga gcgtggggga gcacgtggag 300
ggcttcgchg cgggggacac cgtggtgccg acgttcctgg ggcagtgcga ggcgtgcgcc 360
agctgcgcgt cggagcacag caacgtgtgc gacgcggtgc cgttcgatcat cggccccggg 420
atgcggcgcg acggcaccac ccggttcggg gacgcgccgg ggagccc 467

<210> 21162

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-G6

<400> 21162

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ctccattccg agcgtcggga gcccgattcc catgcactgc aaagcgtcta cgtgcatatc 120
cgccggcgat ccactcacca tctatgagat cgtcttcgac cctaccaaag cgtactatat 180
ccacatacga ttcgtctgca cctcactctg ccaactccgat atcaccttct ggaaagctat 240
aatggcacca gtgtttccaa gaatactatg gcatgaggct ttcaggatat tggatatcgt 300
gctagagcac ttagaaggct tcgcggttag gtacac 336

<210> 21163

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-G7

<400> 21163

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gctcatgtcg tccacctaca tcgtggcgct gtgccaggcc gtggacctgc gccacctga 120

ggagaacatc aaggcgctcg tgaagaacac cgtgacccag gtggccaaga aggtgctgac 180
catgaacccc tcgggagagc tctccagcgc ccgcttcagc gagaaggagc tgatcagcgc 240
catcgaccgc gagggcgtgt tcacgtacgc ggaggacgcg gtcagcgcca gcctgccgct 300
gatgcagaag ctgcgcgccg tgctggtgga ccacgccctc agcagcggcg acgcggagcg 360
ggagccctcc gtgttctcca agatcaccag gttcgaggag gagctccgtg cgggtgc 416

<210> 21164
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-G8

<400> 21164

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tacatcttgg cgcatagggg agccttttac ctgcgccacc tctttgagaa catcaaggag 120
tcgttgaaga aactgagac ccaagtagac aataaggtac tgaccatgaa cctcctagac 180
gagctctcca gcgcccgtt catcaataag gagctgatca tcaccatcta ccgcgatgac 240
gtgttcacgt actctgaaga cgcgctcagc gccaacctgt ccctgataca gaagatgctc 300
gccgagctcg tggaccactc cctcatcagc gacaacacgg agcgctagcc cttcgtgttc 360
tgcaagatca tcagcttcta ggaggatcta cac 393

<210> 21165
<211> 262
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-H1

<400> 21165

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acgggcggtc ttagaccatg agcaacgtct acgacaacat ctaggcgccc tactacaaca 120
ccgtcaacta cgtcagcaac aaggctctga tcatgaaccc cctgctcgac cgtctcagc 180
tccgctgac cctcaacgac ctcatgcgt acctgctccg ccacagcctg ctcacctact 240
ctgatgacgc acacagcaac ag 262

<210> 21166
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-H2

<400> 21166

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acgagcggtc tgagcccacg accaggggtcg ccgccaaccg ctggggggccc tactccggcg 120
ccggcgactt cgccagcaac atggccgtca tcctggccgc cctgctggcc gcgctcgcgc 180
tcggcctggc gctcaacgcc gccgtgcgct acctgctccg ccgcagccgc cgcgccggct 240
ctgttggtgg acagggcaac ggcagcggcg tgctgatgcc gtcggacgac ccggctgaga 300
agccctctgt ggaggtggag ctgcaggcgc cgtcgcccg cctgctggtg tactccgccg 360
tcgggacgac gctggcgggc gccgcggcgg agtgcgccat ctgcctcgcc gagttcccag 420
acggggacgc cgtgcgcgtc atgc 444

<210> 21167
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-H3

<400> 21167

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gtggtggtgg cggcggctac ggcgggtggc accgtggcgg cggctacggc aactgcgacg 180
ggaactggag gaactgagcg gtggggcccg cgcggccaag ttatcctgtt cgctaccgtg 240
ttgtttaccc tagtccagag tgtttatctt cgttcgtctc gtgtttgttg ttgcccatct 300
gtgtttttga ttgaaggtcg ctctgtgtca gttgttagtg ctgtgttcat cctcgggtcc 360
agcagacca tgcatcaacc agcatggact gcggatcgat ggggtgctgtt acccccgtca 420
ggctttattc taagtta 437

<210> 21168
 <211> 438
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-042-Q1-K1-H4

<400> 21168

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 agagcactca accaatgact agaagtcgtt cgtcagagtt aaggaggagg tatgctgcga 120
 tgcaaactaa tatggcacca ataacaatag gaagcattga aacacctaac caattaaaac 180
 aagattttac aaacacaaca aacatcacac caatgagcaa cacacttggt catacaccaa 240
 agtttgtatc tccttcaagt tcatcaacat cccctctgga taatccacat gtggcagcac 300
 aagatactgt tacctcagtgt gtgagcatgc tcaaggacac acttgagcgc aagaagcttg 360
 gtagccatgc taacaaagac acctnagcaa gcaattcttt tggattctat gacactcagc 420
 agtttcaaca aaacattc 438

<210> 21169
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-H5

<400> 21169

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 gacgatttgt tgtcttgagg aaacctgatg ttattccaga gcataatttg tatttcagg 120
 ttactacag attcaacaac atatccttgc tcagagagcc gttgatgctg attactgggt 180
 tcttctctct gtttgtggcc tgtattgttt acatgcgtac tgatatgtca atatccaaga 240
 gctctccttg ctacttggcc aagctgcaat gggatgaggt gcaagcaact gttcagaaaa 300
 tccagggatc ctttgagcaa tgcttagcag ttcataataa actggaggcc tcattgcggg 360
 atttgtctag gacaggtgac attcagtcct tcaag 395

<210> 21170
 <211> 251
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-H7

<400> 21170

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tgtgagtgga tgactgactg tggggctatg ctgatggggg tccacatgag gtactcggag 120
acgcccgaagc tgctgatgga ccttctcttc ctctcaacc acctgcgcaa ggctctgctc 180
cttggtgctg catcctctcg tacgctccg acgcctactc cgacactgac tctcactaca 240
ctgggtcatcc t 251

<210> 21171

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-H8

<400> 21171

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ttcacgtcac ttattcttat gactataagg cgttcgtcac aactaaagaa gaagtatgct 120
gcgatgcaaa ctaatatggc accaataaca atacgaaaca ttgaaacacc taaccaatta 180
aaacaagatt ttacaaacac aacaaacatc acaccaatga gcaacacaac ttttcataca 240
cccaaatttg gatcttcttc aaattcatca acataccctc tggataaatc acatagtgc 300
acacaagata ctgttaccac aaaggtgaac atgctcaaag acaca 345

<210> 21172

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-A1

<400> 21172

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aaaagctgta cagttcgggg cttcccttgc ttaaactacta ttatgtttat gaattatgat 180

ataactcttg cttattccct tggctgacat ctttttgtaa ttgctgcagt gggatactgc 240
 tgggcaagat cgcttcagga caatcactag cagctactac cgcgagctc atggaatcat 300
 tgtaagttgg ccacctgaac tagcaacttc tgaaatttgt caaccatatt gatcatatta 360
 cattattggc tcattgctgg ctttcagatt gtatatgacg tgacagaccc agaaagcttc 420
 aataatgtga agc 433

<210> 21173
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-G1

<400> 21173

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 tgcggtgggtg agcggatcga gatggcggtg tcggatgttg agtaccgctg cttcgtcggc 120
 ggctctgcct gggccacgga cgaccactcc ctccacaacg ccttcagcac ctacggcgag 180
 gtccctcagat ccaagatcat cctcgatcgg gagacgcaga ggtcccgcgg cttcggcttc 240
 gtcaccttct ccacggagga ggcgatgcgg aacgccatcg agggcatgaa cggcaaggag 300
 ctggacggcc gcaacatcac cgtcaacgag gccagtccc gcggcggtcg tggaggcggtc 360
 ggcggtggcg ggtacggtgg tggccgtgga 390

<210> 21174
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-D8

<400> 21174

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 ggattaatca ggccggcatc aagtactaca aaaagctcat caacttattg atagagaacg 120
 gaatagagcc atttgaaca atttttcatt gggacgtccc tcaagcactg gaagacaagt 180
 acggtggctt tttaggcgac aggattgtaa aggattacac agacttcgct aaggtgtgct 240
 ttgagaactt cggtgacaag gtgaagaatt ggttgacctt taacgagcca cagacattta 300

caaccttttc gtacggaacg ggagtttttg cccctggacg gtgctcacca ggagaaaaat 360
 gtgctcagcc tattgctaac tcactcaccg aaccatacat tgctggccac aacatccttc 420
 gagcccacgc tatgactggt gacctctaca acaagaatta caag 464

<210> 21175
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-E1

<400> 21175

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 atatgctcgg cacgttcac cccagctgt aaccctacac gtactttact cctgaatata 180
 ccaccccgtc atcaatgttt gcccggggag tcctactctg ccaggaccaa ggtacttact 240
 tacttggatc cataaccagt cctttttcag ttcaaacata atccgaatcc ttcaggctca 300

<210> 21176
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-E2

<400> 21176

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 ggtgcctcaa ccccatgctc gtgaagcgtt tcacggagtt ccctccgagg agcagtcttg 120
 accctagcat gtacgtctac aacaccacca ccatcatgca cgcggaccta gagaacaagc 180
 tcgatgacct gacggtgcat caggcgctgt acggaaacct gctatacatc ctgtaccaca 240
 actacaactt catgccgac ctgttcaggg tgaacatcct gtaggacaac tttatatact 300
 ccaccagtac cgtgctattc t 321

<210> 21177
 <211> 495
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-042-Q1-K1-E3

<400> 21177

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gcgggacgac agacactcca tgggttcgga cgcacgatca cgagcgcgtg ccctactagt 120
gtgccggcca tcaactcggcc accagaacac cacagctcac ggtctgctgg ttgtcatgtc 180
atgtcacgcg gtgcagttga cagagccaag gagatgctcg gcacgttcag cccccagctg 240
gagccctaca cgtacgtgac gccggaggac accaccccgt cgggaatgtt tgcccggggg 300
tcctactctg ccaggaccaa ggtacgtacg tacgtggatg cagaaccagt cctttttcgg 360
ttcagacaga atccgaatcc ttcaggctcg atagttcacg aggtttgggt tggcatcctg 420
ttctttggca gttcctcgac gacgaccgca agtgctacct gnagatcaac tacaccttcg 480
acatccgccg ggagt 495

<210> 21178
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-E4

<400> 21178

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actgtccggt ggtgcaccgg acagtgtccg gtggtgcacc ggacagtgtc cgggtgcgcca 180
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accggactgt ccggtgtgca ccggactatc cggtgagcca acggtcggcc agggccaacg 300
gtcggcccgcg cgatctgcgc gggacacgtg gccgagccaa cggtcggaag ggggcaccgg 360
actgtccggt gtgcaccgga catgtccggt gcgccaacgg ctcccggatc tgcaacggtc 420
gaccgcgcca attaaggaaa ggaatcgggc accggacac 459

<210> 21179
<211> 484
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-E5

<400> 21179

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cactcggcca ccagaacacc acagctcacg gtctgctggt tgtcatgtca tgtcacgcgg 180
tgcagttgac agagccaagg agatgctcgg caggttcagc cccagctgg agccctacac 240
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caggaccaag gtacgtacgt acgtggatgc agaaccagtc ctttttcgggt tcagacagaa 360
tccgaatcct tcaggctcga tagttcacga ggtttggttt ggcatcctgt tctttggcag 420
ttcctcgacg acgaccgcaa gtgctacctg gagatcaact acaccttcga catccgccgg 480
gagt 484

<210> 21180

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-E6

<400> 21180

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atggatctgt tggagcgggg tattaagacg gagacggggg agactcgcat ggaacaggat 120
cgtaaggagg aggtggaggc tgatgctggg gagaggaaga cccaggagcc gtcgcagcaa 180
ggccagggcc tcagcctctc actcgccaac ggcagtggca gcttacaatt ttctatggcg 240
gatcagtatg tgtgtatgac tcagtgccac cggaaaaggc tcaagcaatc atgcttatag 300
ctgcagctgc agcggcagcg gcagctacca aaagcagtgc tgcccctact gttaagcctc 360
caatggtgcc tgcagccact gttgccccag cagctgtcgt ttctcctgtg cttacacggt 420
ctccatcact gcagagcact tctgtagcaa ctgggc 456

<210> 21181

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-E8

<400> 21181

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ttttctatcc gttgcttcac agatcgtggt aattgttagg ttcatgctta gaataaccct 180
aattgggtcaa aacatgcaca cggccctttt ccgatctgcg atgtcgcctt ctcagcattg 240
tgttatttta agcatattgc actttgtcct atgtctaaaa a 281

<210> 21182

<211> 250

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-F1

<400> 21182

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tctaaatgtg ctgtgctctg aactcactac atcacttcaa actcactg tacctaatac 120
attcgttcta atcacacctt tcattacctt aatctatagc catatgttgc ccaactaaat 180
aactaccac ctaatctcta cattcaaact taccttctct acactaatca gacgtttttac 240
tcatccttaa 250

<210> 21183

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-F2

<400> 21183

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ggcaaaagat tgccagtttg tagtgtttgc atgaagtttg caacctgatg tgtttatttt 120
tgtatcggtt gctttggaga ttgtgttaat tgtaggttc atgcttagaa taaccgtaat 180
tggccaaaac atgcacccgg ccctgttccg ctctgcgatg tgccttcgca gcattgtgtt 240
attttagca tattgcagtt tgtcggaggt taaaatacat caatatggca ttcattttgg 300

aagtcgacaa ctgctacagc tacacattc

329

<210> 21184
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-F3

<400> 21184

caattcgcg ggcgaccgac tcttactctt gtcctaacg tatcataagc ttataattta 60
ccttattgga ctgtactact aggtcgcgtc tttgcatgtg ctggcaactg aagtcagtaa 120
agcactccat actaaccgat tatcataaaa gctacttcgt gcgaaactga tcattacgtg 180
gttataaggc ttacaatttc ccgaccaata ctagtgccac ccaatctctc taagtgaagt 240
caccatggct tatggagcaa aatttttctc cattcttaac cgcagaactg ttcacacagc 300
attacttctc cggatcagtc tggatgaagt acacaaatga ccctaaagta caaaaagggt 360
cacacgggtc cacgccataa ttagctgcct ggcttggtat gcgccctttg taaatatgtg 420
taagctttat gttcctcggc ccccccccc cact 454

<210> 21185
<211> 472
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-042-Q1-K1-F4

<400> 21185

gcaaaaccat cagatctagc agaactctct cgacctcatc ggcgttggcg gagcgctgt 60
tgaccggaga tggcgccgag cgggtggagg aggagcgcg cggcgcggt cgctggcg 120
ccggccacg tttgcctgtg gtcgcgctc gccgccgtcg cactgacgt cgcccaggct 180
aagaaggacc tgacggaggt taccacaag gtctacttcg acatcgagat cgacggcaag 240
cccgcaggcc ggattgtcat ggggcttttt gggaagactg ttcctaagac ggcagagaac 300
ttccgagctc tttgcacagg agagaaagg gttggcaaga gtggcaaagc cctccactac 360
aagggaagta agttccacag aatcatcccc agttcatgc tccaaggagg tgacttcact 420

ctcggngacg gtaggggtgg tgaatctatc tacggcttga agtttgcgga tg

472

<210> 21186
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-F5

<400> 21186

agtttttctt gttctcaagg aatcatagtg cgataatcaa cttattgga ctgcactact 60
ggatcgcac tttgcatgtg ctgccaactg aagtcagtaa agcactccaa gtcaccgag 120
tagcagaaag ggtagtttgt gtgaacctgg tcattaggtg gttctatggt ttccggttgc 180
ccgacgaata cgagtgccac cgaatctctc taggtgagct caccgtggct gagggagcag 240
agtttttcgc catccttaac cgtggagctg ttcacacggt attccttctc cggatcagtc 300
tggtgaacgt agacaagtga ccctaaagta caaaaaggta cacacggtca cacgccataa 360
ttagctgcct ggcttggtt gcgcccttg taaatatgtg taagcttttg ttcccttcgc 420
cccccccccc ccc 433

<210> 21187
<211> 476
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-042-Q1-K1-F6

<400> 21187

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gagagatcgc cgctcccctt ctggcgctcg gtggtgcggg tgccctccct cctcgagcga 120
gatctgtctg gtcacagatc tatctgacaa aatggtgaag atctgctgca tcggtgctgg 180
ctatgtcggg ggcccaacca tggccgtcat tgccctcaag tgcccagaca ttgaggtcgt 240
cgtcgttgac atctccaagc cccgcattga ggcttgaac agtgacaccc tgccaatcta 300
cgagcctggg ctcgatgatg ttgtgaagca gtgcatgggc aggaacctct tcttcagcac 360
tgatgttgag aagcacgtcg ctgaggctga cattatcttt gtctcgggtga acaccctcac 420
caagaccggt gggcttgagg ctggcaaggc tgccgacctn acctactggg agagcg 476

<210> 21188
 <211> 416
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-F7

<400> 21188

aattcgggag tgcacccact cgtgcggttg gcttctccta cccctccggt tcagattcaa 60
 gttcatgagg ctctcctacg agctcaggtc ttcttgaacg catcgagatg gcctcctcag 120
 atgctcagta cccttgcttc gtcacccaac tctactgttc cacgaaccac cacatctatc 180
 cacaactact tcatcaccta ctccgacgtc ctcgagtga aaatcatcct taatcgtgag 240
 actcacaagt cctcacgctt cagacttttt acctactcca aaccggagac cattctaaac 300
 gccattcatt gcatgaacca caatgatcaa cacagacgca tcatcatcgt ccacaaagcc 360
 caacacaccg tcagacgcca taactacctc cctggctagt actgcgccct tcgtaa 416

<210> 21189
 <211> 478
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-F8

<400> 21189

gagctctaga tattcttttt attctgcatg ctgaacatga aatgaactgc tccactgctg 60
 ctgttaggca ccttgcttca agtggtgttg atgtatttac tgctctttct ggtggtgttg 120
 gagctctata tggctcctctg catggcggcg caaacgaggc agtacttaaa atgttaaagt 180
 agattggaag catggaaaat attccagatt tcattgtagg agtgaagaac aggaagagga 240
 agatgtccgg ttttgggcac cgtgtgtata aaaactatga ccctcgtgct aaagtcataa 300
 ggaaattggc agatgaggtg ttctcaattg ttggacggga tccacttatt gaggtggcca 360
 ttgccctaga aaaggcagcg ctgtcagacg aatattttat caagaggaag ctgtatccaa 420
 atgtggattt ctactctggg ctaatttata gggcaatggg attccctaca gaattttt 478

<210> 21190
 <211> 103

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-D7

<400> 21190

gtcaaataaa gatcttgtgc ctatatacgg ctctcatggt tgtgccgtgt ctctatatgt 60
tagtgcttat ggatatgggg agatcaaata atggccttgc aat 103

<210> 21191
<211> 227
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-B5

<400> 21191

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agctgtacta gatcatagtg tgcaggcatg catttttacg ggctattggg aggatggttg 120
aacaatcaaa tcattctttg atgcaaactt tgccctcact gagcagtgtc tcaagtttga 180
ttttatgatc caaaaccact ttctttaatt gaaccgaat cctggct 227

<210> 21192
<211> 457
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-042-Q1-K1-B6

<400> 21192

ggggcctacg agagcgcagc cgtgggacag gtgaacaagt ccggggcctt cagcgtcccg 60
gtggccggcg acgccgtcgg cgaggacggg gagctcaagt cggaatgctt cgcgagctc 120
atccacagcg cgtcgagtgc gccgtgcccc gggcaggagc cctccaggat cgtcgccgcg 180
ccacccggcc acacgggtcca caccaacggc aacgggaaga cgttcctcgc gctcggcggc 240
agggcttacc aaccgtcgcc cgagtgcgcc tcggcgttcc tctgccaccc tttcttcac 300
agcatgcacc accatcacgt aggagtccac acgcctgtgg gtatcccgca cctgcccgtt 360
cacggncaact ccgtgccgnc tgtcaccaag ccgncgncgg tagacgttcc tgagcacata 420

ccggggccgg tgcccgtgcc ggacacaagc ctccgtc

457

<210> 21193
<211> 262
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-B7

<400> 21193

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gcggcttcaa ggaggaggac acgcccact tcgtcggatc attctactcc aaaaccaagg 120
ccatggtaga ggaattgctc aagaactacg agaacgtatg cacccttcgt gtgaggatgc 180
ctatctcatc ggatctctcc aatcctggca acttcatcac caaaatcacc cggtacgata 240
aggtcgtcaa catcccgaa t c 262

<210> 21194
<211> 465
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-B8

<400> 21194

aaagaatgct cctcctccta tggttaagggt gtctgggaaa agtttggctc ctgccatctg 60
ggaaggggac agttcgatag ttgctgaact tcttcagtcg atggaacctc atgttgaaga 120
agagggtactt agtgatctga aggccaaaat ctgtgctcat gacccatcag attctgaaga 180
tattgaggga ggcacccgta attctctctt gtggctgcgt gatgaattac gaactcttcc 240
atgcacttac aagtgccgtc atgatgctgc tgcagatttg atccatttgt atgcttatac 300
aaagtgcttt ttccgagtcg gggattacaa gacagtaaaa tctccaccag ttcatatcag 360
tccgcttgac ttaggcccga aatatgccga taaactggga ccaggctttc aggagtactg 420
caagacatac ccagaaaatt actgcttagc ccagcttatac tattg 465

<210> 21195
<211> 344
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-C2

<400> 21195

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aggaaggaat cgagagcgga tgctatcatc aaccacactc cgaccaccgg cgtcgccggc 120
gccggcacac ctcaccatct gctcctagcc cgcaacgtgg cggcgtgcgc cgacagatgc 180
tgcggtgcgc gcggtgcgga actacgacta catcccgaag cgggaaccct ttagctccag 240
ccgcagcatg ctccactagt tcttcaggca agacaagccc ctcatacagc gcaccaatga 300
ccagatcaca gattattgca cggtcacgca aggcgatgag tgct 344

<210> 21196

<211> 464

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-042-Q1-K1-C3

<400> 21196

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caggtctgtc tccgctgccg tcgtgcagcg cggctccgtt gtactgccgc angagtccgc 120
cactttctcaa tgtcgccatc gccaaagcgc ggccagctgt tcaccaatct gtccttgcaa 180
gctttcgaaa atgtgcagct atgtcagaac atggacgtca ggaactccgg accaatgagt 240
accagctgga tgatgatgat gagccgtttt ggctggcagt ggtcagagac cttgctgtgg 300
gtttcaaggg attggtagct ttcttagctg agcagccgag gcaactgaag cacctggagt 360
ggccgggctt tctacacacg ctgaagacgg tcacacttac tcttgattgg taggtatgtt 420
tattggtgca ttatcaacta ttgatgcttg cctctgctac atgc 464

<210> 21197

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-C4

<400> 21197

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gagcctgctc cagccttct ctctcccggc agcctctgcg ctctccgtag gcttggcgcg 120
 gcgccacagg cagcatgcca cgcccgggct ggccgcccgc ggctgtagcg tcttcagcgg 180
 cagctgggtc ctgacggcg gtagctcggc ctcgggcgcg tacaccgggt acaactgccc 240
 gctcatcgac gcggagtcca actgccagct ctacggccgc ccggactccg actacctccg 300
 gtacctctgg aagccggccg gatgtagcgt accgaggttc gatggcgcg acttctcgac 360
 gcggatgaag ggaagacgg tgatgttcgt gggcgactcg ctggggcgca accagtggga 420
 gtcgctcgtc tgctgctgc ac 442

<210> 21198
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-C6

<400> 21198
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 ggccctcggc ggcttcgtca acgacgccga gaacactttg aggaatggct gaagaggatg 120
 tccagccctt tgtgtgtgac aatggcactg gaatggtaaa ggcggttttc gctggtgacg 180
 acgcaccgag agctgtcttt cctagcattg taggcaggcc acgccacact ggtgtgatgg 240
 tgggcatggg ccaaaaggat gcatatgtgg gcgatgaagc tcagtccaaa agaggatttc 300
 tgacactgaa gtaccaatt gagcacggca ttgtcggcaa ctgggatgac atggagaaga 360
 tctggcacca caccttctac aatgagcttc gtgtggcacc tgaggagcac cctatact 418

<210> 21199
 <211> 315
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-C7

<400> 21199
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 gtttctcaga tgggttccaa gttcaagaaa tctactggtct cggagaacgt gagggagtcg 120
 ctgcacagct ggtgcaagag ggttaaggac aggagccgac acaaccgct cttctcgcgg 180

aacgggaccc tcacgaccag atccgtgtgc tccctagaca ccacctacga gacggatcac 240
gagacgaaca cgggtgtgcac gctgtcgagg acggcgtcgg caacgtcgct ggacgaccag 300
ttgaccgtgg tcacc 315

<210> 21200
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-C8

<400> 21200

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cggcggcaag gccgggctgg cggaccggct ggggcaggac aagggcgggc atgcgaagct 120
ggcgtgcccg ctctgccgca ccccggcgcc cgacatcaag tccatgcaga tccaccacga 180
ggcgcgccac cccaagctcc ccttcgagcc ggagaagctc ctcaacctgc actccttcgc 240
ccccgtgct gctgttgccg ccgtcgctgt cgtcgccgcc gctgccgagg ccaccacctt 300
caagcccaag cccggcgctcc gcggcagcct caagaagtaa gcttgctggc ttggttggtt 360
cgcccgcctg catggggcac aattcccttc ggtttcaatc ccatccgtcg acccgatcta 420
taatcaatc 429

<210> 21201
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-D2

<400> 21201

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gtgggtgagc ggatcgagat ggcgcgctcg gatgttgagt accgctgctt cgtcggcggc 120
ctcgcttggg ccacggacga ccactccctc cacaacgcct tcagcaccta cggcgaggtc 180
ctcgagtcca agatcctcct cgatcgggag acgcagaggt cccgcggctt cggcttcgtc 240
accttctcca cggaggaggc gatgcggaac gccatcgagg gcatgaacgg caaggagctg 300
gacggccgca acatcacctg caacgaggct ccagtcccgcc ggcgggccgtg ga 352

<210> 21202
 <211> 468
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-042-Q1-K1-D3

<400> 21202

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 gaggtagttg cattccgagc ttctcaagga ttgcatctcc cagatagtcc aggatgccaa 120
 gaagaatagg aagttcactg agactgttga gcttcagatt agtctgaaga attatgatcc 180
 acaaaaggac aagcgtttca gtggctctgt taagttgcct cacatccctc gtccaaagat 240
 gaaggtgtgc atgcttggtg atgccagca cgttgaggag gctgagaaga tgggacttga 300
 ctacatggat gttgaagccc tcaagaaaat gaacaagaac aagaagcttg ttaagaagct 360
 tgccaagaag taccatgctt ttttggcatc agagaccatc atcaagcaaa ttccccgtct 420
 tcttggtcct ggtctcaaca aggcangcaa gttccccact ctggtcac 468

<210> 21203
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-D4

<400> 21203

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 ggccactggg gagaagcctg ttctgtgagct tgtctctgat gacgagtggc ttaatggtga 120
 attcatcaca actgtccaac agcgtggtgc tgcaatcatt aaagcgagaa agttctccag 180
 tgctctctcg gctgctagct ctgcttgtga ccacattcgt gattgggttc ttggaacacc 240
 tgagggtaca tttgtttcca tgggtgtgta ctctgatggt tcatacgggtg ttccttctgg 300
 actcatttat tcattcccag taacatgcag tgggtgtgaa tggaaaatcg ttcaaggccc 360
 tccgattgat gaggttctca ggaagaagat ggatgccact gccaagagc tgacggagga 420
 gaagacgctt gcttactcat gcctcagta aattctacca caccagaga g 471

<210> 21204
 <211> 247
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-D5

<400> 21204

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 tatagttcat catgccaaga acaataagaa attcactgac actgtttagc tttaaattag 180
 tctgaataat tatgatccac attaggacat acgcttcagc cactctatca agttgcctaa 240
 cattcct 247

<210> 21205
 <211> 466
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-D6

<400> 21205

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 gtgaccaaac ttatctgttg tgatcagatg gatgttcgtg gagcccttgg tgatctcttt 120
 agcaaacagc ttactccact catgccctga agtctggcag tatttcctcc cttgcataga 180
 tcttggtgga acatattctt cgtcagcatt tttgtgcaaa catggagcac cggttgggtg 240
 cttgacatcc ttaacgcgct ttctgggtga acagctactc cctaggaact taagagcttg 300
 atcagcggga acggcaggtc cctaggccac atcttttttt tttggatgac gcatgggaag 360
 tagcttgact gatgcgcaca ccgtgttttt cctagcaggc ttgtactttg gagctattta 420
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<210> 21206
 <211> 464
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-042-Q1-K1-B3

<400> 21206

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cgatggcggc tgtgctgaac agcaggaaga cgccgcaggc ggtggtggcc gtgctggtgg 120
cggcggcgct gctggcttcg tccgcttcgg cgccgatcac ctgcgggcag gtgggggtcgt 180
cgctggcgcc gtgcattccg tacgcgacgg tgagggccag cgcgctccc gcgtcgtgct 240
gcagcggcgt caagagcctc aacagcgcg cgcgaccag cgcgaccgc caggcggcgt 300
gccgctgcct caagagcctc gccaacagcg tcaagagcgt caacatgggc accgtcgcca 360
ccatccccgg caagtgggc gtctccgtcg gattccccat cagcatgtcc accgactgca 420
acangatcag ctaagttacg acgaccaagc taataaggct accg 464

<210> 21207

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H4

<400> 21207

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caggagaagc tcaccagtgc gtgccgggca gggaattcat caggaggaga acatacttga 120
acagaacgtt tcgacatgag caggccggag cagctagcta atagaggag atgaggggggt 180
aagtgttctc tgacggacgt tctggcgcat gttcctttga cggacgggtg acaggtttgt 240
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ctccagctct tcgcaccaca gatctacgat tattctctgc actgctggct agcctgacct 360
gacctgacct gacagctact gtgcaatcat gtctatgatg tctgagcgct aatctatgcc 420
gggcaatcct atgtac 436

<210> 21208

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H5

<400> 21208

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aaaaggacat gagaatcaca tgtccaaatg caaatctaaa aaggaaacaa tggcagaaga 180
tgattgtaca aacatgccta gtgcaacaaa tgctgaaact gctgatttga ttagctcaat 240
agccagaaac acagaaggcc aacaagcagt acaagccgtt gacgcaccag atggcccttc 300
caaaatggct aatggaaatg ataagaatca tgattctcat atcgaagtga caccatga 360
gttgggtttg aagagatcga gaacaaatgg agctacagcg gaaatccatg atgagcgaaa 420
tattctgaaa agatcagatc agtcagc 447

<210> 21209
<211> 390
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H6

<400> 21209

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ccagagtccg ggtgtctcca aaccgaggga aggagaagca agttcctcac atctctcctg 120
ccatatctgc tacttcagaa gctttccttc acctactctc tgcttcaaga attcaaagta 180
gctggctctg cactctccta gcaacgaact tgctgccatc gatcccatga agtcgaacta 240
tctcgtcgac ctctcttgg catcactctt gctcttctc gtcgcaggac ggcatatgaa 300
gaatctcgat gacgcacaa aatcaatgga tacattggaa tccatgcatg aagactacca 360
aatgacagat gttgtccaca agacaattct 390

<210> 21210
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H7

<400> 21210

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tctgcagagc ttggggggcc cggtggttta atggctaacg gagttcatcg ctactcggc 120

tcgtcgtgtc gtggcgcaga aggtggtgct gaagctggac ctgcacgaca acagggacat 180
gcagaagggtg ctcaaggcag tctccactct ccacggtact cctctcctct cccctgetct 240
gctccccctcc accgtcactg tcatggaggc cgcgcgcctg caggagtagg accctccgcg 300
acctccctca agtatattcg tagcgagtga gtccgtgtcc gaattctggt ctctgacgcg 360
gcggaacccc cagcgcgctg cgcaggcatc gactccatcg cgggtggacat gaaggagtcc 420
aagctgacgg tagtcggtct 440

<210> 21211
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-041-Q1-K1-H8

<400> 21211

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tcaaattetta cccctattcg ggagtttgac ttctcgagc tacttcagac acagtcagct 120
acaaagtata acccatctgc ggcacctaataaatctgccag caatctccat gcaagagact 180
ntaaaaccag gaggttttcc caacactcag tctacgcaac atgttcccaa tacgagcata 240
ccatcgggtc ttcgtctccc acaacaattg cctgtatact ctcagccaac tctgcctctt 300
gggcctttta ccagcctggt tggctatcca tatttgctc agaactacta cctaccatct 360
gcggccttcc agcaggcgta ctcaagtaat gggccttccc atcaatctgg tgctcctgct 420
g 421

<210> 21212
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H9

<400> 21212

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gggggccact gcaacggtag gcacgcgcgc ctcggcaaac cctccgactg ctatgacatt 120

ctccactaca tcccgtagca tccgcatggc catggactct actgccagcg caagccgaca 180
 ccgcgttcga atcgcagtcg tatgcgacgt gcacaatgat tgggcccttg aggaagattc 240
 aaaggcgctt cgatctcttc agccagattt agtgcttttt acaggcgatt atggaaatga 300
 gaatgttgaa cttgtcagaa gcatttcaga tcttcagcta ccaaaggcgg caattcttgg 360
 caatcat 367

<210> 21213
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-A1

<400> 21213

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 tgacttcgcg accgccaaag cccgcgactt tcagcatagc gaggccacat ctggccgcgc 180
 gggccgcgcg tggcaacgca cccacgtccc cggtcgcgga ggtcgtcact gagctcgacg 240
 cggtcgcgcg cttcagcgag atcgtgccgg acaccgtcat gttcgatgat ttcgagaggt 300
 tcgcaccacac ggcggccaca atgagctcgt cgctgctgct tgggatcact gggctcccag 360
 aactaagtt caagaatgcg atagatactg cactggcaga tggtagtgac aacgcactgg 420
 aaaaggctga agacaagatg tctgttacc tca 453

<210> 21214
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-042-Q1-K1-A2

<400> 21214

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 ggtgggcggc acggaggcgg cgctcctcgg gaaggggcgg tacaaggctt gggccttggc 180
 cgccatcgcg ctctcgcgcg tctggtccat gtccgcgcgc tccgtctcac tccgctggtc 240

ctcctcgggt gacctgcct ccgtctacgg ggacctggac gtcccgcctcg ccgacgacct 300
 cgattccctt gagatggagg agagggagaa attagtggga cgaatgtggg acatgtacac 360
 acggaccagt gatgaggtac ggctttcacg gttctggcag gaggcgtttg aggctgcata 420
 cgaggaactt gctggatg atgtgcangt ccgtgatgca gc 462

<210> 21215
 <211> 177
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-A3

<400> 21215

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 tgagtagtgc tctgagact tgtattttctc cttttggcgc cgctaaatgg aattttcgaa 120
 caatgatttt cgtgttatta ttttaaaaca aacggaccga cgctggcaac gcaccca 177

<210> 21216
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-A4

<400> 21216

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 accttaccgg agcaccacca gacggtgtgg acgtcgccgc cgaagcggcc agcggggcgg 180
 accaagtcc gggagacgcg gcacccggtg ttccgcggcg tccggcgccg gggcagcgcc 240
 gggcggtggg tgtgcgaggt gcgcgtgccg gggaggcgcg gctgcaggct ctggctcggc 300
 accttcgaca cggccgaggc ggcggccgc gcgcacgacg ccgtcatgct cgccctcgcc 360
 ggcgcgggcg cct 373

<210> 21217
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-A5

<400> 21217

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agcatacgga ggccacatct ggccgcgcgg gccgcgctg gcaacgcacc cacgtccccg 180
gtccgcgagg tcgtcactga gctcgacgcg gtcgccggtc tcagcgagat cgtgccggac 240
accgtcgtgt tcgatgattt cgagaggttc gcacccacgg cggccacagt gagctcgtcg 300
ctgctgcttg ggatcactgg gctcccagac actaagttca agagtgcgat agatactgca 360
ctggcagatg gtgagtgcaa cgcactggag aaggctgagg acaggatgtc ctgttacctc 420
accaaggctc ttgcaa 436

<210> 21218

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-A6

<400> 21218

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cagacgtctt gttggagcgt gaagtggaag aatttgacct accgtccgag gttcgtgcca 180
tcattgaggg ccaaagtctg tcgatgcgag gccacgccga gaggtttggc atgccgaacc 240
cttccaaacg gatcatagca accggcgggg catcctccaa cgaaagcatc ctcaagtcag 300
tcgcgcagat cttcggctgc cctgtcttca cagtccagag acctgattcg gcacgcgtgg 360
gcgcagcgtg gagagcttgc cacgggtggc tgtgcaacgc g 401

<210> 21219

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-A8

<400> 21219

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 atatgtttgc tgcaaattgt attggaatct tatacgtga gaaggccaaa tgggatgtcg 180
 ctaaggagtt gttcacacag gtgcatgaag ctgcatcagg aagtatattt gtacacatgc 240
 ctgatgtatg gataaatctg gtcatacat attttgtca aggtcatttt caacaagcag 300
 ttaaattgta tcaaaattgt ttgcggaagt tcttcacaa tacagatgca accatcctat 360
 tataccttgc tcggacacac tatgaggctg agcgatggca agactgcagg aaaactttgc 420
 ttagagctat acatttggct ccatcaaatt acttggtagc gtttaat 467

<210> 21220
 <211> 227
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-B1

<400> 21220

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 ggtcagtcag atcattttct tgtttgttgc tgtctgatta ttcttaccca atgggttaatc 180
 cgttcattgt atcgaacata attcaagtaa tctgtattac agagggtg 227

<210> 21221
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-042-Q1-K1-B2

<400> 21221

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 tgaattatgg tgcaagtttc atagaatatt ttgcagagga agcaaagcgt atatatggtg 120
 acatcattcc cccaacttta tctgatcgca gattgttggg tttgaagcag cctgttgggg 180
 tagttggagc tattacacca tggaattttc cattagcaat gataaccggg aaggttggac 240
 cagctttggc ctgtggctgt actgttgttg tcaagccatc ggagttcaca cctctgacag 300

cattagctgc agcagatctt gctcttcaag cggaataacc agcgggtgca ttgaatagtg 360
 tgatgggtaa tgctgctgaa ataggtgatg cgttgctgca gactacacag gtcagaaaga 420
 ttacattcac tggatcaaca gctgttggca aaaaactgat ggctggatct c 471

<210> 21222
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H3

<400> 21222

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 gtcggggtca tcggcggcct gctggagcag ctccgcgtgt cggagctcat gaagtaccg 120
 gagacgcggg agccgctgga gcagctcgag gacgcgctcc gccggggcta cctgctcgtc 180
 aactcctgcc aggaccgctc ctacctctac ctctcgcga tgggctggaa catcgtctac 240
 cagttccgca aggcgcagag cgagatcgac aattacctcc gcctcgtccc gctcatcacg 300
 ctgctcgaca atgcccgcgt tcgggatcgg cttgagtata ttgagaggga ccaatgtgaa 360
 tattcctttg acgaggaaga caagaaagtg caagatgctc tgttgaatcc tgacccttgc 420
 acgaatccta ca 432

<210> 21223
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F9

<400> 21223

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 gagaaggaga gtgctacatt cacctgacag aagcagcacc tggaagaatt atctgacgca 180
 aaggaaacat ttattggagg tcctgaggca gaggccaaat ccaacagcac acaggattct 240
 gacaatccaa ttgctaaggt gcggagcagt gtagcatctg acaagatgag agatgggtgc 300
 aatgctaata ccattccgtg tcctgctact tcaaatcata caactgaacc cagctacgta 360

gcttcccagg aagccagtcc agcaagtaca aaagacacag ctatgcctga acaagttgaa 420
agaccaagtt ctgaggaatt act 443

<210> 21224
<211> 53
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-041-Q1-K1-G1

<400> 21224

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<210> 21225
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-G10

<400> 21225

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tagaatttca agattacaat ggatctatga aaagatcgtg tatttacaac tacaacggaa 180
tagtatacaa agtcaacacc aatgattaaa tagaatttat ggctacacaa accgttgaag 240
atagttctag acctaagcca aaacggactg gcgcaggtag tttattgaaa cccttgaatt 300
cggaatatgg gaaagttgct ccgggttggg ggactactcc ttttatgggg gtcgcaatgg 360
ctttattcgc gatattccta tctataattt tagaaattta taattcttct gttttactgg 420
acggaatttt aacgaattag gtttctacta ac 452

<210> 21226
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-G11

<400> 21226

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 aaccaccaca agaaggacga ggagcagccc gccggcgagt acgggtactc cgagaccgag 180
 gtggtcaccg ccaccggcga gggcgagtac gagaggtaca agaaggagga gaaggagcac 240
 aagcacaagc agcacctcgg cgaggccggc gccatcgccg ccggcgctt cgcactctac 300
 gagaagcacg aggccaagaa ggaccccgag cacgcgcaca ggcacaagat cacggaggag 360
 gtcgctgccg cggcgccgt cgggccggc ggctacgtat tccacgagca ccacgagaag 420
 aagaaggacc acaagga 437

<210> 21227
 <211> 400
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-G12
 <400> 21227

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 cgacgcgcac ctctccgccg aggacgagggc ggcgctggag gccgaggtgc gggagtacta 120
 cgacgactcg gcgccaaagc gccacaccaa gccctccgc agcgagcact ccgccgtgta 180
 cgtcgacgcy ctcgctccgg acgtcggcgg caactccac ccggagctgg acaagttcca 240
 agagctggaa gcacacaccg agaggttggg gtacgagggc gccaatgtgg gagatgagtt 300
 cgtggagacg gagtactaca aggacctcgg cggcgtcggc gagcagcacc acacgaccgg 360
 aacgggtttc atcaagatgg acaaagctaa aggcgcccc 400

<210> 21228
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-G3
 <400> 21228

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atcagttgct tcatactact gggcgctgg tgaatatca catgatatac catttctcac 180
 tgtagtctct tcaactgaagc gactgatgcg ctacagcctt ggatctgttg ctctgggttc 240
 acttggtgta tctgttggtg aatgggtgcg gtttatacta gaatgccttc gtcgcaagtt 300
 gaagctagtt gattctgccc gagagagctg ctttggaaaa gcgacgtcct cctcttctga 360
 atgctgcctg ggttgcatag actggaccct caagtcagta aatcgaaatg cctacattat 420
 gattgccatc accgggaaag gtttcttc 448

<210> 21229
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-G4

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 ctccgcggag tgctgcacca cagtgcgctc gctcaacatc cgcgcgtagt cggcggctga 240
 ccggcaggcc acctgcaact gactcaagag catgactggc cgtctcgga gcctcgtaa 300
 catggccaac gccagcaaca tccccggcaa gtgctgcttc tccgtcgact tgcccatcag 360
 cccaccgtc tactgcacca agatcaactg atcgatggaa ccat 404

<210> 21230
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-G5

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 aaaatgctat tcaccttgag gaaaaagaga agaaggagaa ggagctgagg agccaaatca 180
 tcgttgatgc tgaagagttt aagaaagctt ttgttgagaa gagaaagctc aatgctgaga 240

caagcaaggg ccaaaaccgt gacagggaga agcttttctt agcaaaccag gaaaagttcc 300
atgctggtgc ggataagcaa tactggaagg cgatatctga acttatccca catgagattg 360
ctaacatcga gaagagaggg gcaaggaaag acaaggagaa gaagcctggg atcgtggtga 420
ttcaggga 428

<210> 21231
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-G6

<400> 21231

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caccttaagg agtaaggacc accattttat ctggaccttt ccctctgacc gctttcttct 180
cctgataatt aaaaacgcca taaggaatcc ccagctgggtt ttctgagtct gggacaagga 240
tgggctctat ttcaaccccc atccttgctg atatttccat gacaatttca tggttccaac 300
atgatcttta ggtgtttcta gcatgtttcc ttgccgcatg gttttagtct gcatagcggc 360
atggcatgca tgaagtagcg ttctgtctct agggatccct aaaggcttgt aagaggagac 420
gggttttatg c 431

<210> 21232
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-G7

<400> 21232

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ggcagctcta cttcgtgctc ccggccgccg cgcgccgccg cggcctgcg cgcgaggag 120
tcgccgcgct cgcgcgcg gacctggccg cgctctctc cggggcctcc gcatccgcat 180
ccgcctccgc cgcgccggga cggcggagac gcggcgccgt cgcgcccctc gtcttcgcgc 240
cgccgcaga ggacgaggag cgcgagcagc acaagacgac ggccctggcg gcgccaccg 300

tgcggcgcc cgcgcgcccc ggcaggcgcc tcgtgcgctt cgcgtcggac ctcaccgcga 360
 tccccgagtg agtaggcggg tcgggctcag acggacggga acgaattcgc tgccattgaa 420
 ttggctctgg 430

<210> 21233
 <211> 249
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-G9

<400> 21233

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 tatctgctgt tcgtgtcatg agtcgtgtca gcgttagttt aataatggac cggtgtgttt 180
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 ttaatacat 249

<210> 21234
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H1

<400> 21234

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 cggaacgtg tcctagatcc ttgtgcagga cgatgacgtc cagggttgagc agatgatgaa 180
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 gggagtttga tactctatct gtgagtgaac aatcgagtgg agacgagtct ttgctgcaac 300
 ggaaactgcy taagcgtaac ccagggtgagg aaatgcaaat tggacgggca aatctctacc 360
 ttggcttaaa ggaaaaaaga agtgatcttc atactggatt tgattattgt aagtgttgcc 420
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<210> 21235

<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H10

<400> 21235

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gggcaggtgg gaagttcatg ggggaccgta tttgcctgag atctgcagca gccacaggag 120
ccgataccaa tctctgatct aggtcttaac gaaacagctg accctgtgtg tgaaagtgc 180
gtttgcgaga ttcttttcga cacttacact aagtcttacg atatcatctc atctgcatct 240
gcaagaatat tgccagtgat gatgtgttca gaggatggga tccttgcagg cgtcgaacat 300
gataagagac cccttgaatt gcttgctgaa tcttgtgcca tcaactcctt cgacatagat 360
cctcataacc cctc 374

<210> 21236
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H11

<400> 21236

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tggtcatttg caatggaagg agattaaata catgacacca agaagtcagg atcttggcat 120
aggaaacaaa tacatagtct gtccagacct caaaatttga gttggaatct tggaattgac 180
atttccttat aactcaattc cagtattttg ctgagaaaat caattgtaac atggaatcca 240
attccagcct tttcaaattg tatctaggcg tagacatttc tagaatttgt ctagggcgac 300
acaaaaggaa atgtattgca tttttattgc ctaaaacaaa ctttggcatt aggtcctggt 360
tggatccttg aattgaattg tattctaaca atcataattt agacatagat caattaagtt 420
aatatagttt tacatggaaa aa 442

<210> 21237
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H12

<400> 21237

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ggcctcgctt gggccacgga cgaccactcc ctccacaacg cttcagcac ctactgcgag 180
gtcctcgagt ccaagatcat cctcgatcgg gagactcaga ggtccgcggg cttcggcttc 240
gtcaccttct ccacggagga ggcgatgcgg aacgccatcg agggcatgaa cggcaaggag 300
ctggacggac gcaacatcac cgtcaacgag gccagtcctc gctgctgccg tggaggcggc 360
ggctg 365

<210> 21238

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-H2

<400> 21238

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ctgctactcc agaagctttc ctccacctcc tctctgcttc aagagttcaa ggtagctggc 180
gctgcacgct cctagcagcg agcttgagc catggagccc aggaagtcga attatctcgt 240
cgccctcgtc ttggcgctgt tcttgctctc cgccgtcgca ggagggcata ggaagaagct 300
cgatgacgca tcagaatcaa tggagacatt ggaatccatg caggaagacg acgaaatggc 360
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<210> 21239

<211> 370

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-041-Q1-K1-F8

<400> 21239

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 cgtattccgt cggcaagcac ccatggtggc tgctggttct aggtcgcaaa ggcagagaac 180
 tcggccagtc gtcaaggtac cattaccagc atcagagcaa gcagcccgag ctgcanggag 240
 tggctatgga ggtaaagata cccgatgagg atgcgacggc caggcggacg gtcgatcata 300
 gcggtgacgc cgaggcaggg ctgatctaca gcgcggacta cagcagcgtg gccatgcatg 360
 ctgcctctcc 370

<210> 21240
 <211> 324
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E5

<400> 21240

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 tctcagccaa ctctgtctgc gacacgctcg tcgtggccta ctctaactcg tcctgcctct 180
 tgtgcaacaa cctccacacc gaccacgtct actactactc ctggatcttg ctcaccatca 240
 acgtcgtcaa cctcgcgtc tacatggcgc tcaccatccg gtgcacttcc aaccttggtg 300
 tcgctagcga gctctaccgg atgc 324

<210> 21241
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E6

<400> 21241

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 acctccacac cggcgacggc ctcaagtccc tcgaggetca cctcgccggc aaaacctatg 120
 tgtctggtga ctccattact aaggatgaca ttaaggtctt cgccgcggtg ccgtcgaagc 180
 ctggcgctga gtttcctaata gccgcccgtt ggtacgagac cgtctctgctg gctgtagcct 240
 caagattccc tggttaaggct gttggtgtaa atctgcctgc gggatcagct cctgcggcag 300

ctgctcctgc ggatgaggct gaggatgatg atgaccttga tctttttggt gatgaaactg 360
 aggaggacaa gaaggcagct gatgagcgtg ccgccgctgc caaggcctct tctaaaaaga 420
 aaga 424

<210> 21242
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E7

<400> 21242

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 cgtcaactcg ctggtggtga ctctggtggc ggtcgtgact aagcggcccg ggtggctggc 180
 gacggacctc aacaccgtcc acctggacta ctacttgtgg ctctggacca tcatcagcgt 240
 cgccaacctg ctgctctaca tgggtgtcgc cggccggtac acgccaatc aggtcgccgc 300
 tgacgtggtg gatccgatgc gtcccagcaa cagtggcggc agcgacgaat gattaatttg 360
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 gagtagga 428

<210> 21243
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E8

<400> 21243

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 tgctcatctg tcccctagtg gtgaccggaa gatacccact gatatggaag attatttgaa 120
 gggttgcaaa tttcttccaa agcttaacaa tgatatccca agtgcaagaa atactaccta 180
 taaagaaaga ttcagcagct tggaaaactt ggtactgata atgtctgagg actatgcagt 240
 attaatacct ctggaaacag cgtgggttgg ttattaccct gatggagcct ttagcccagt 300
 gctgccccct caagagacga agctgtatac agaattattg attggcttga agaccctgga 360

cgaggctggg cgtgttaaatt tegtgtctgt gccatgaggt cacctgcgta tcaccagaag 420
cgacatgaag aagtacatc 439

<210> 21244
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E9

<400> 21244

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cgtggcctcg ctgacgcagc tggccgcgtc ggagtgcctg gcggcggacc gcgacgcgct 120
gctttcgcgc cgccgcggcg tgtcggagga ggagcggcag ctgggcgtgt tctcgacgtg 180
ggcggcgggc acggactgct gcgccgggtg gtacggcgtg gcctgcgacc cgaccacggg 240
gcgcgtctcg gacctgtccc tacgcggaga ggccgacgac gcggcgcgtg cggccgcagt 300
gcggcccgcg tcgggggtca tgtccgggta cgtctcc 337

<210> 21245
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F1

<400> 21245

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ggcggggccg ccgcgaagcc gagcaaatcc aagcctccct cctctaccgc ttctctcct 120
gccttctcgg gatctgcccg cccgccttgt gtgatcttgc cgctcgccc cccgcgggtg 180
gagctccggc tgcacgacac catgagcccc cgccgcgtaga ggctgggaga gaggtagcgg 240
ggaacaaagt taggcaccaa caaagttaag tggggaggcc agagctggcc agctgggtcg 300
ctgttctacc agagggatgg acgggagcgc cggctccttc gtcgccgtcc gccggctctc 360
cggctccgac cgccgcgtcg ccttcaccca ctctcttcg gcggaggctg tgacgggggc 420
gacggcgtgg atcgg 435

<210> 21246
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F10

<400> 21246

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 accagagtac tcgcatcaga ccagtctctt acgtgactta tttatccgct aggggtacca 180
 actagatcat gtatgtgact gcaccattat gaaatcctt caacttagag atgaattctg 240
 acttcactct agctacaata tgaatcggtt tgcaatccct catgcagaaa ggactgatcg 300
 atctgcatct caagctttgt tcagaacgac tggatctgga tctggtcaca atcgagagca 360
 ctccaagcac accagtcttc tggagtcact gatgccatc 399

<210> 21247
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F11

<400> 21247

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 catgctcttg tgtaagataa tggttaacca agctgactat gttacaagaa taatctcgtc 180
 taaagctgtc ctaaaatatac tgagtcctga tgttgatgct atgaatgctg ttgctgatgc 240
 atactataaa agatctctca agtatcttga aactgccctt cgtgattata agtcccagct 300
 ggaggaggac cctattgtcc acaggcatat ttcttctctg tatgatacac tgctggagca 360
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 gatt 424

<210> 21248
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F12

<400> 21248

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ggttggagca tttgaagctt ggggttcact ggatgaccca aaagccatct ttatcctgaa 120
gtacatactc tagtgtaaaa taatggctaa ccaaactgac tatgttacag gaataatctc 180
acctatagct gtcctaaaat atctgggtcc taataatcat gctatgaacg ctgattctta 240
tacatactct aatagatctc tcaagtattt tgaaactgcc ctctgtgatt ataagtccca 300
tctgtacgat gaccatattg tgcacagaca tatttcatct ctatatgata cacttctata 360
gcataatctg cacaggatta ctgaacccta attaatgcca gatattgctc atatagctga 420
tat 423

<210> 21249

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F2

<400> 21249

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gatgtcgttt ggttctgctt gccgtcttgt ccgtcgccga ggccttcttc ccctcgctcc 120
ccagctccag caggcagatc agatccatcc aaccacgaac aggaaggtga gcgccgggaa 180
cgagccctcc gtcctcctac tagctgcgat ccgtagcctt gcgtcgcttt cgcgcctagt 240
ctagatcgcc acgttctaga tctgtggtgt tttactttcc cgggtgcggg tggtcgaatc 300
cttccatcca ccaggagagc tcgtggcttg tctttgatta gctcgggtctc ccctgtgtcc 360
gtgatctgat atacgtccgg atctgtctgc tgtaatcatc aggaaggtag gaggcctgag 420
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<210> 21250

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F3

<400> 21250

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gggcggcggc gttggctcca cgtgcacgc catcacgtgc cgacacccgc acatcttcgg 120

ggtcaacttc gacctgccgc acgtcatctc cgaggcgccg acgttccccg gcgtgcgcca 180

cgtgggcggg gacatgttcg cgttcgtgcc cgacggcgac gccatcctca tgaagtggat 240

cctccacgac tggagcgact cgcactgcgc cagctgtctc aagaactgct acgacgcgct 300

gccggaaaat ggcaaggtca tcgtcgtcga gtgcgtgctg ccggtcaaca cggaggccac 360

ccccaaggcg catggcgtct tccacgtcga catgatcatg ctcgcgcaaca accccagcgg 420

caaggagcgg taccag 436

<210> 21251

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F4

<400> 21251

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ccccactcac tccgatgtta gcatgtcctt taactctgct gggcacctta tccctctcca 120

acaccttctt atcctcgctc tccagctcca tctgccagat cacatccatg caaccactaa 180

cattaagggtt atccccgata acgacccctc cgctcctcta ctagctccca tccgtaacct 240

tgcgtcgata tctcgcttag tctatatcgc caccttctac atctgtccca ttttacttta 300

caccttacac gatcctctaa tcttccatc caccatgata gctcgtagct tctctctgat 360

tatctacatc taccctatgt ccaagatctg atataccttc gaatctgtct gctgcaatca 420

<210> 21252

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-F5

<400> 21252

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tggttaataag cgagagagag agagaggcca atggcagcca agtgggtggct cgtcgcctcc 120
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 actactgccg ccttcgaggc gggcgacggc agtgccggcg ccgtggacga ggacgacgag 240
 caggccaaga ccgcccagct gttcgggtggg cggaccggcg gcggcgaggc cttcggcgaggc 300
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 ggcgaggcc cgttcggcgg gttcggatgc ggcgggggcc tcgggtggcg aggatgagga 420
 ggaggagga 429

<210> 21253
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-F6
 <400> 21253

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 ggaccgctcc ccctggctgg cactgcctt cttcctcttc ttcggctcca tcgaggcgct 180
 ctacttctcg gcgtcgtga tcaagttcct ggacggcgcg tgggtgcccc tctcctggc 240
 cctcatcctg ctgcgcgtca tgttcgtgtg gcaccacacc accatcagga agtacgagta 300
 cgacatgcac aacaaggtga ccctggagtg gctgctggcg ctggcgagca agctgggcat 360
 ggtgcgcgtc ccgggcatcg gcctcgtcta caccgacctc acctccggcg tgcccgccaa 420
 cttc 424

<210> 21254
 <211> 203
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-F7
 <400> 21254

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 tgccgagcgc atgcggggcg gcgagtgtc tgccgagctg atgcggcgcg cggcgctctt 120

caaccgcgag ctggcgcgcg tcctggacca gctcaacgcg cgctttggcg ccgggacctt 180
catcgcgggc aacgcgttcc gcg 203

<210> 21255
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E4

<400> 21255

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cgcgcatctg cgggtgggct gctacgacag ctctgcccga gcggcggaga tcatcgtgca 120
gcaggaggtg agcagggcgg tggcgggccaa cccgggcctc gccgtcggcc tgetccgct 180
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gggcaacacc gctgagaagg acgccggggc caaccttaac cttcgggggt tcgaagtcct 300
cgatcggatc aaaggccccc gtcaagcagg cctgcttcgg cgtcgtctcc tgcgcggaca 360
tactcgcgtt cgcgccagg gacagcgtcg cactcgcgg cggaacgcg taccatgtgc 420
cgcggtgctg gcgg 434

<210> 21256
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C8

<400> 21256

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tctccaagct ggacggcgct gatagggtg aaaccctggc gcagatcgcc aatggctgcg 180
aggagtgggg attcttccag ctctgaacc acggcatctc gctggagctg ctcgagcgcg 240
tcaagaaggt gtgctccgac tgctaccgcc tccgggaggc cgggttcaag gcgtcggagc 300
cgggtgcgac gctggaggcg ctctcgact cggagcggct cgggtgaggtg gtggcgccgg 360
tggacgacct ggactgggag gacatcttct acatccacga cggatgccag tggcgtccg 420

acccgcc

427

<210> 21257
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C9

<400> 21257

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gttgatgcca ttgtgaaggc cagtgaattg cttttgtcca ttgtgttagt aggagttggt 180
gatggccccct gggacatgat gaaggaattt gatgacaaca ttccttctcg agcttttgac 240
aattttccaat ttgtaaattt ttcggagata atgtccaaga acatggcaca atcaaggaaa 300
gaggctgcat ttgctctttc agcattgatg gagataccac aacagtataa agcaaccgtg 360
gaattaggaa ttttaggtcg tcgctcttcc aagtctacca acagagttcc tctacctccg 420
ccttccgcaa gtcatgatgc t 441

<210> 21258
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-D1

<400> 21258

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cggtctatgt ttgcctcacc aagcggacat ggggatgaac aacatgtcaa cacagctaca 180
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attgggtctt gctctaataa gtgagaggta taattgcctc attaccacag aacgcaaccc 360
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<210> 21259
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-041-Q1-K1-D11

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 tacaagcggg cgcagtcgat gccgtcgacc ccgacgacgc cggtagacgc gtcgtcgtcg 240
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 cccaccgtct acgactggct ctacagcgac gagaccagga gcaaccaccg ctagatcggg 420
 cgagatggat ggacagtga ga 442

<210> 21260
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-D12

<400> 21260
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 caggaacacc gtgtttttcg atattaactt gagaggctctt gatggcatcc aaggaccagt 180
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<210> 21261
 <211> 444
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-D2

<400> 21261

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tctcggtccc catcctcgtc tcgggaatct ggctgcggtc gcgcgcctac tgcaccgagt 180
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ccatgctcgt gttcatcgtc tcgctgctct gcttcaccgt ctcgccttc gccgtcacca 360
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<210> 21262

<211> 221

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-D5

<400> 21262

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tcgcaaagtg gacttctggt tgtaattctt agtcgtctct ctctcttttt gggttggtca 180
aggttctatg atccagcaat ccactgaact gtttggtact g 221

<210> 21263

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-D6

<400> 21263

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tttttgttaa gaagagaaca aatatgtatc aattgttgaa tcggatacaa caatgggcca 180
 aaaaggccaa aggggcaata agaactgctg ttaaaaaaat gataaacttt ttttttatct 240
 ttaggctatt cacttttcac gtgctcagaa tgttctgcag aattaggac ttttttcttc 300
 tattggctga tcttatgatg agaactttct ccatttatgt tttatttccc ctaattctaa 360
 ttgggtgggg tataaaggaa tttgcgctct tcatataccc ctatggctgg atagtaattt 420
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<210> 21264
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-D7

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 gatggggcag aaggatgcat atgttggtga tgaggcacag tccaagagag gtattctcac 360
 gctcaagtac ccgattgagc acggtattgt aagcaactgg gatgacatgg agaaaatctg 420
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<210> 21265
 <211> 320
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-D9

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 atttttaatt tacatcacca tttatttact tcattttttt ccaaaatttt attaacaaga 120
 atccttgatc caaatccaat tacggtatac aatatcacia aagctgatcg aaataaaata 180

ctacccaaaa caatgtatca attttggaga gtctaaaact tactactata cttactagca 240
cataacccaaa catatatgta tatgtaggaa agattctttt atggaagtat agaccacatg 300
catatatcta aatgaaacta 320

<210> 21266
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E1

<400> 21266

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gagggtgagg agcacaagaa gaagggtggag gccaaagaact cgctggagaa ctactcctac 120
aacatgcgca acacgatcaa ggacgagaag attgcgtcca agctgccggc cgatgacaag 180
aagaagatcg aggactccat cgacgcggcc atcagctggc tggacgcca ccagctcgcc 240
gaggctgacg agttcgagga caagatgaag gagctggaga gcctctgcaa ccccatcatc 300
gccaaagtgt accagggcgc ggggtgaagac atgggctgcg ctggcgggcat ggacgaggac 360
tcccccgctt gcagcggctg ccctggcccc aagatcgaag aagtggacta agcggtttgt 420
tgtcagtctt g 431

<210> 21267
<211> 377
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-041-Q1-K1-E10

<400> 21267

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gggcctcatg cgcgcgctc ccacgccgca gcagcaccac ccggggagct gctctgcctc 180
gccggggagc gccgaccact gcggcgcttcg cgctgggaag cttctggcgg tcgaaagcgg 240
ccttctggtg cctncaactgc gtgatccgca cctacgtcga ctacgctagc ggctccaagt 300
ccaacccgga gtaccgtatc ctctccgacc acgcctagtg cgtaaggctc gagcatgac 360

cccggttgat tcactac

377

<210> 21268
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E11

<400> 21268

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cctcttcag gtcgagtacg cctcggaggc cgtccgcaag ggcaacgccg atgtcggcgt 180
ccgcgggcgtc gacaccgtct tcctcggcgt cgagaagaag tccaccccca agctccagga 240
ctccaggctc gtgcgcaaga tcgcgagcct ggacaccac atcgcgctgg cgtgcgcggg 300
gctcaaggcc gacgcgcgcg tgctcatcaa ccgcgctcgc gtggagtgcc atagccaccg 360
actcacagtc tatgaccccg tcaccgtcga gtacattacg cgctacatc 409

<210> 21269
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-E12

<400> 21269

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ccactgccga ggtccagacc ccgaccgtcg tggcgggcca ggaagcgccc gtgggtggaga 180
ccccgcgcgc ggccgtcgtg cccgaggagt ctgccccgc cgaggccgag gccgaggccg 240
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aggcggaggc cgcggctcct gctggtgccg aggagcccgt cgcggccgaa ccggccgccg 360
aggcggaagc tgctgctcct gctggtcccg aggagactcc tgcggtcga 409

<210> 21270
<211> 433

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-E3
 <400> 21270

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 cggggccgat cacaagacag gcggtcctgct gctcacctgc gccttcaga tcctcgtcaa 120
 cagccatccg accgccaaac tcaccgtgga gtcagtagag accgtgaaca acctcatatt 180
 ctgcaccatc aagaagatca agacagcgtc gcagtgtgac gcttgactgt cgcgtgtcgc 240
 cgcaaggggg ggtggtcggg gatgacgagc ctgagtcaag aacgaacctc gtgcgggaaa 300
 gaaacctttg ctaggtgata aggatccagc ttggactggt ctttagcact gagcaatggt 360
 ggtgttcggg tattgactcg gtctctgtca tctgtcctt ctccatggca acctgtgtc 420
 tgatacggga tct 433

<210> 21271
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-C7
 <400> 21271

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 gcttcggcgg cgatcacctg cgggcaggtg gggtcgtcgc tggcgccgtg catcccgta 180
 gcgacgggga gggccagcgc gctccccgcg tcgtgctgca gcggcgtaaa gagcctcaac 240
 agcgcggcgc ggaccagcgc ggaccgtcag gcggcggtgcc gctgcctcaa gagcctcgcc 300
 aacagcgtca agagcgtcaa catgggcacc gtcgccacca tccccggcaa gtgcggcgctc 360
 tccgtcggat tcccatcag catgtccacc gactgcaaca agatcagcta agttacgacg 420
 accaagc 427

<210> 21272
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B2

<400> 21272

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tgctggccgt cgtcggccaa atcgctcgctg atgctgatgt taccgtagaa catcccagcc 180
gcatctgcac cgaaacgggtg attgatectc gtgttcccaa caacgagtgc atctgctcca 240
agaactgcgc ctgtgccggc aagtgcattc ttgagtcgcc tgatgctgtc cagacctgct 300
ttgtcgactg cgtcctcaag aacgactgca tctgcagcag caagatcatt cccggcgctg 360
acgacccaaa ggctaattgcc aagtgaagta gtactgctat catcatcccc aataatggcg 420
tacgtaccta aat 433

<210> 21273

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B3

<400> 21273

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tggcgggtca ctaacatcag atgcgcgtac atgtctaccg tgtactacct atttactacg 120
gtcgatatga gcgatatatc tcttatacat catacagcct acttagtcaa gtaactaggc 180
ttgccataga atatactcat tcagtctcat acgacgtgac tcatgctcat tacacttttc 240
gtatactgct cggacaccat caacgtggac aacaaactct ctaaaacatc tgatctcatc 300
ttgccatacc tactcccaat ctacacactg cttctcaagg gcaatcacgt tgaattacta 360
ccac 364

<210> 21274

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B4

<400> 21274

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cgatggcgta ccgggcgga cgcactacg actacctctt caaggtggtg ctcacggcg 180
actccggcgt cggcaagtcc aacctgctct cgcgcttcac gcgcaacgag ttcagcctcg 240
agtccaagtc caccatcggc gtcgagttcg ccacccgcag catccacgtc gaggacaagg 300
tcgtcaaggc ccagatctgg gacaccgtcg gccaggaaag ataccgcgct atcacgagcg 360
cgtactaccg cggagcggta ggggcgctgg tcgtgtacga cgtcacgcgg cacgtcacct 420
tcgagaacgt gg 432

<210> 21275
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B6

<400> 21275

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caggccgacg ccgggtacgg ttactgcggc gggtagaccg cgactccgac gcctgccacc 180
ccgaccccca agcccgagaa gcccacacc aacggggcca agccggacaa gccgaccaag 240
gagcacatgc cgcccaagga gcacggtccc aagccggaga agccgtccaa ggagcacaag 300
ccgacgccgt ccacgtacac ccgagcccc aaaccgactc cgacgacgga cactcacacc 360
cggactcctt ccaagccgac tccaccgaca tacactgccg cgcctacgcc gaacaaacgc 420
acacaaaaac cc 432

<210> 21276
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B7

<400> 21276

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 ttcctctcaa tttggatgaa atcagcatta agcttcggcc gaacagcagt ggcagccaaa 180
 ctgtccagat ggcgcgtgct ctactgtcag ctcgccattc tggtgagcgg atactgcggt 240
 gctggggcgg tggcactgga tgggctgtgg aagatactaa ggacaagatc actaagctat 300
 tggaggaata caacactggt ggtgacctag gagaagcctg cagatgcac cgtgatcttg 360
 ggatgccctt cttcaaccat gaggtggtaa agaaggcact ggtcatggcg atggagaagc 420
 agaatggca 429

<210> 21277
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B9

<400> 21277

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 cagcctgggc gccatgtacg tgggtgtccc ggcggtgctg cccgtggggt gcttcccgat 180
 ctacctgacg ctgtaccaga cctccagcgc cggcgactac gaccagtacg gctgcctgaa 240
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 gcagagcaag taccgccggc cgcgggtcat gtacgccgac ttctacagcc acgtgtacga 360
 catggtgaag agccccggca gctacgggtt cagcaccaac ctcagggcct gctgctgcgc 420
 cggcggcggc aagtacaact ac 442

<210> 21278
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C1

<400> 21278

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gcaggccgag gactgtttct tcgtgtacag aatggtggtg gttctgttca ggcgagagct 180
cacctttgag caaaccgtgt gcctgtggga ggttatgtgg gctgaccagg cagccatacg 240
agccgggatc gggagggtcca cctggggaag gataaggctg cgtgctccgc caactgacga 300
cctgttgctc tacgccatcg ccgctgcgt cctgcagagg aggaagctga taattgagaa 360
gtatagcagc atggacgaga tactgcgaga gtgcaatagc atggccgggc agctagacgt 420
ctggaggctg ct 432

<210> 21279
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C10

<400> 21279
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ggctcgtggt ctgctctttc aagtcgaagt aacggtggtt cgagctagtg gatagtgtgg 120
ctcaactgta gaagttcctt ttgtatagca agcaagtaaa aaaaaaaatg accaaaaaat 180
ataacaaaat gcagctgtaa gtttactgct gctctctaag tcgtgttcag tcatccagtg 240
tgtctagtct agggaaaccc cataaaaaatg gtgaagggtg aatcccatcc cagtgtcata 300
attaaggatg cacttcttct gtaagcaaat gtatgatgta caatggccgg cccgcagtct 360
aaatgttaca actagctctt cttgggtgg 388

<210> 21280
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C11

<400> 21280
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gagctcctcc tcaattgcaa ccggtgcac aagaaagtgc ccgtgctcat ccacgccggc 120
aagccggtcg ccgagtcgca gtccatcgtt cagtacctcg acgaggcttt ccccgccggc 180
acgtgcccgt cggctcctccc agccgacccc tacgacggc ccaccgtccg cttctggggc 240

gtcttcgtcg acgacaaggt cgggtctcca tggcacacgg tctgttcgc gcgggagcac 300
 gggaagaatg ctgacgcggc gtcgcggatc gtcgcggcgc tggagacgtc tggaggcgcg 360
 ttcaagactg ctccggcggg aaggactact tcggcggcgg cgccatcggc 410

<210> 21281
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C12

<400> 21281

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 tgcagggctg gaagtttggg tacgtcggcg acataaaagt acgccggtgc taacgatcat 120
 cactactttc tcgcacggaa ctcaagagca taacaagaaa cgaattctaa cgatcctcag 180
 gatataaac tgcactctgta tgtatgtgcg ttaggtcaag agtgaattgc ctagcacgtt 240
 caaggcatac cggtttcagc agcacagggtg gtcttgtgga ccggcaaacc tgttcaagaa 300
 aatgatggta gagatttttag aaaacaagaa agtgtcattg tggagcaaaa tctacttatg 360
 gtacaatttc ttcttcgttg ggaaggtcgc tggccaaacg gtgacattca tctactactg 420
 ctgtgcgatc cccgtgtct 439

<210> 21282
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C4

<400> 21282

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 ccgacccgta cggccgcgcg cccgtcgacc ccgatccgta cggtcgacct ccgccccagt 180
 ccgcgtacgg tggggccggg gacgcctacg gccacagcgg ccaaggctac gcgccccgcg 240
 cggcctacgg cgccgggggc gggtagggca acgtcgtcca cgtcgcgcac gaggtcggcg 300
 acgagaggcc ttactacggc ggcggcggcg gcggtcttgg tggcgcttac ggaggcgggtg 360

gctccgagta cggccacgag ggccgaccgc accacggcgg cggcggatcc cagtacggcc 420
acgagacacg cc 432

<210> 21283
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-C5

<400> 21283

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cactgccttt ggaaaaggtg aaagaaatga gtcagttatc tctcatgagg actgtggaga 180
gctggttgag gaaagaaaga gactaggaca ggaggaggag aaaggagcga aaggagaaag 240
gcctcccaga attcgacaag gttgtcgagg gtagtcgggt tataggatgat ccagcaaaga 300
acgcagacag agttataaac aacgggtggg cagctggacg gcttacctcg acgattgcag 360
gagaggaaaa ttctgtcttc agctctaaca gcgtacttag gcaatgatct agttttgttt 420
tcctttatct at 432

<210> 21284
<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-041-Q1-K1-C6

<400> 21284

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tggaagtggc ggaggacgag acgatcctgt cccgcgcgct ggacgagggc ctggacgtgc 180
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tggaccagag cgacggcatg ctcagcgacg acgtcgtcgc gcgggggtac gcgctgctct 300
gcgccgcgta cccgcgctcc gactgcacca tccgcgtcat ccccaggagc gagctgctca 360

aggtccagct cgccaccgtc gacgactgac tgacgctccg ncgatgacca tcggaccggc 420
cagcaggcat caaccttcgg cgggtgtaa 448

<210> 21285
<211> 326
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-040-Q1-K1-H8

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gcgacttcgc cagcaacatg gccgtcatcc tgggcccgtt gctggccgcg ctccgctctg 180
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cctctgtgga ggtggagctg caggcg 326

<210> 21286
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A1

<400> 21286
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aaaggtcagc agacagaggt ttaactgaca atgcaatttc aaaagatcaa atggaagctc 120
ttgttgagaa gataagtaag ttaaatacgc tgtcaggcga gtcaaattgt caaaaggaac 180
aggctacaag tccgcttgac aaactttttg ttgtcattga tgaattcagt gcacttcaac 240
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ctcgtgaaat tgaacagcta agagaggtct ccagaaatag tgatataact aatagggagt 360
tggaatcaa aggaagtgag cttcttgagg tagccgtag tatggagcga atgattcagc 420
ggttaggata tctt 434

<210> 21287
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A10

<400> 21287

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 gaactaggaa ataactaaaa attatttggc cagagacatc acaaatggat ctgatcacia 180
 atcacaaatg tgacaagctt gctaagggtga aactgctaaa gaagttgtat gactactatg 240
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 agtttgttcg ctctattaga gcccataggg ggtactgggc gaggagctat gctggatgga 360
 taaggtttag gagagcacia ccaaagtcag ccattacga tcttccctt ctgtctgcgc 420
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<210> 21288
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A11

<400> 21288

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 gatggcaaac gcgagatcgg gtgtcgtgt gaatgaccag cgcattgctca agttcggcga 180
 gctgcagacg aagaggctgc accgcttctt aactttcacg atggacgaca agttcctgga 240
 gatcgttgac gaccaggctc gggatcgcgc taccagctac gaggacttca caaacagcct 300
 ccacgacaat gactgccgat acgccatcta tgacttcgac tttgtcactg cagacgatgt 360
 ccagaagagc acgatcttct atatcctatg gtccccatac tccgtcaagg tgaacagcac 420
 gatgctgtat gcaagctc 438

<210> 21289
 <211> 231

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-A12
 <400> 21289
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 ctatgtaagt tattattaaa aggtggggccg tccccatccc ctatttcctc tctctaactc 120
 aactaaatt ccaaactcta catcacatgt ctctataaat cactaacaca tactctattt 180
 cctctatcta catactaata ttctacacca cttactaact ttcactatac a 231

<210> 21290
 <211> 435
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-A2
 <400> 21290
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 tccggtgggc cctactcttt atgcccattt taccacagac aatctctcat gcttggtcat 120
 ggagtactgt ccaggcgggtg atttgcatgt tcttcgcaa aggcaacctg gaaaaagctt 180
 tccagagcca gcagcaagggt tttatgttgc agaagttctc cttgctttgg aatatcttca 240
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 gcatataatg ttatcggaact tcgacctttc actgaggtgc tcagtgaatc ctgtgctcct 360
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 gaactactgc ataaa 435

<210> 21291
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-041-Q1-K1-A3
 <400> 21291
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 gatgggccc tcgacggcgt cctcgccgcg tacaccagct tctccatcca ctccgtgggc 120

ggcgccggac aactggaggc caaagtgcgc gacgaggccg atgccgtcgc gtaçtgagc 180
gccgtcgcgc ccaacgtgga ggcgtacgga agcgçagtgg ccatgaccat cgccacgggc 240
gccgagcacc tcgccaaagg gatactgtgg tgcagggagg tcacgtagag agcctacgct 300
gggggaatga ggtcctcaaa aagaggatgc aagccgtcga cgccaacgtc gaggtcagcc 360
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<210> 21292
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A4

<400> 21292
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gacgcagtac aacattttcat aagtçttggg aaaagctata tcatatagtc tagattttçtt 120
agçtcagtac aaattgctcc tagattçtta tggaagaatg tcatcagtct attgtttcat 180
gggtgtgcac ccatçtgact caaataatat tgçttgtatgg tgtgcacccc tttgacttca 240
ggagaaactt atcctatatt ttgcagatgt ttgggtçtgt gatatggçtt cçtttgtçta 300
caccgaatgt tçtaattatc tatatçgttc cçttgtacag çtçttgggtg agçttgccac 360
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<210> 21293
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A6

<400> 21293
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catacagçtc caccatgaga tççtgtagca ttgatggaat tçtatgcaaa gaaggçtgca 120
çtggaagaac ggaagatgcc accaaggcag tcgaaagatg aaatgççgtc acçtççttçt 180
çttcaaggçt çtççtaagaa gggacaccac atgggtgatt tçattççtca agaagaactt 240
gaaaagttta tggcagçgtg taatgatgçt gcagcacaaa aggçtaccaa agaagççgçt 300

gagaaggcta agattcaggc ggacaatatt gggcacaaac ttttatctaa gatgggttgg 360
 agggaaggcg aggggtcttgg gagcgagaga agaggccgtg cagatcccgt tatggctgga 420
 gatgtgaaga ag 432

<210> 21294
 <211> 446
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A7

<400> 21294

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 tgattgagtc ggtgggctcg ctgaaccgt tcatgcacgc ccgtgggggc gccttcatgg 120
 tggacaactg ctccacaacg gctcgcttgg gatccaggaa gtgggcgctt cgcttcgact 180
 acatcctgac gcagcaggcc tttgtggcgg tggacaagga cgccccgatc aaccaggacc 240
 tcatcagcaa cttcttgtcg gaccctgtcc atgggtgcat tgaggtctgc gccgagctga 300
 ggcccaccgt cgacatctct gtgcctgcca acgccgactt tgtgcgcccc gagctccggc 360
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 gtgtcccagag ttagaacaga gtgctg 446

<210> 21295
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A8

<400> 21295

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 aggaggaaaag gtgataatcg ttgatatggt tgttggaggc cagtcgtcaa acattaagca 180
 caaagagact cagggtcttgt ttgatctctt catcatgacg atcaatggcg ccgagcgaga 240
 cgaacatgag tggaaaaaga taatttccga agctggattt agcgactaca aaatcatacc 300
 cgttctaggt gttcgatcca tcatcgaggt ctacccatga ttatttggcg aatcgtgtt 360

tcgttttttt ctgaataagt tgtttgggta actagcatgg gacgagtgtc catgagatca 420
tgtgtgatga a 431

<210> 21296
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A9

<400> 21296

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cggggggaaat accgaaaaat cccatggaat ggcaatagct gcactccaag cttcagagga 120
atcttctaaaa gaaagcaaaa ggggtttcaga agccttccat gcaactcctc caacatcgag 180
gagtcccaat ccattcggaa cagcaaaata tctgtttgac aagatcccaa gagatgcttc 240
cagcaagggtt cgaatcaacc aggacctgta tactcaagaa aagggtcattg gagcgccacc 300
cccattacca gattttgcat tggcgctaac acctgaagaa tatgatcttc ctccactaga 360
tccatttttg aacaaagaag acacatgcc a ttaagtgtat atgcagcaga atgggttgctt 420
ctggcaaaaa tattggctct ggag 444

<210> 21297
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B1

<400> 21297

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ggggagatgg cgcaactcaat tgtggcttta catcggtcca tcgggcatgt atggagtcgt 120
gaactaccta aaggaaaagt accataatcc aatcatcatc atatcggaac acggaatgga 180
tcagcctgga aacctcacgc gcgaggagta cgtgcacgac gccgtgagga tcgacttcta 240
caagaactac ctgacggagc taaagagagg gatcgacggc ggcgcgaacg tgatcggcta 300
cttcgcgtgg tctctcctgg acaacttcta gtggctgtcg ggctacacgt ccaagttcgg 360
catcgtctac gtgcacttcg cgacgctgaa gcggtacccc aaggactcgg cgtactgggtt 420

cagagacatg ctttcggg

438

<210> 21298

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B10

<400> 21298

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cggcagtgcc tgatcgatgg cggccaggc tctcctctcc ggccggcagc tgctggggccg 120
ccccgtgcag tcggccgtct ctaggtcgtc ggcgaggaag gcgcccttcg tcgtcagggc 180
cagctccagc cctccagcca agcaaggtgc cgacaggcag ctgtgggttcg cgtccaagca 240
gtccctctcc tacctcgatg gcacgctgcc cggcgactat ggcttcgacc cgctgggcct 300
ctcggacccg gagggcaccg ggggcttcat cgagcccaag tggctggcct acggcgaggt 360
gatcaacggc cgctacgcca tgctggggcg ggtggggcgcc atcgccccgg agatcttcgg 420
caagatgggc atcatcccg c 441

<210> 21299

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B11

<400> 21299

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cgtggcagtg atcccgatgg gaatgctgcc gcgtacaaca gcgctcgctg catcggcggt 120
ggtggcgggc gcgctgggtg tcgggatggc gtcggcgcac gggccggccg ccgccccgc 180
gccggggccc gcgcccggga tcagcgacga gtgcttcaac gcggtgctca acatgtctga 240
ctgactgacg tacgtgacgg cgggcatcaa ggcgctcac ccggacacgg cctg 294

<210> 21300

<211> 249

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-F4

<400> 21300

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gagaacggct aaaaggacat accgctgatac ttccctaagag ggtcaatata ctggtataga 120
cgtggcgact tctggctagc atgggtcctg ccggacgcag cgttcatatt cccagtggtc 180
cgcaagtata cgagctgggt gaaacagagc gtacttgagg ccttacaaca gctgacatag 240
gcaggggatg 249

<210> 21301

<211> 78

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-F5

<400> 21301

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gggtactgag gtagcgac 78

<210> 21302

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-F7

<400> 21302

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gcactctgtg gatcggggac ctccagtact ggaccgacga gaactacctc tacagctgct 120
tcgctcacac cggggaggta caatctgtta aaataatacg caacaaagta acaagccttc 180
ctgaggggta tgggtttata gagtttgttt cacatgaagc tgctgagaaa attctccaga 240
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tcagctctgg tgagaggcgc cctgatccag gatctgatca ttcgatcttc gtaggggacc 360
tggcacctga tgtcacaaat tacttactac aggaaacatt ccgagtgaac tattcatctg 420
ttacaggtgc taaagttgtc acggatccaa ataccgcgag atctaag 467

<210> 21303
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-F8

<400> 21303

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ggctacactt tcgggcagga catatcagag cagtttaatc acacaaacaa tctcaaactc 180
gtagctcggg ctcacatcaatt agttatggag ggatataact gggctcatga gcaaaagggt 240
gtcaccatat tcagtgtctc aaattactgc tatcgatgcg gcaatatggc atccattttg 300
gaagttgacg actgcaacag ccacacattc atccagtttg aaccagcccc tatgagaggt 360
gagccagatg tgacgcgaag aacaccg 387

<210> 21304
<211> 471
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-G1

<400> 21304

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ttccgtttcg tgggtgagcg gatcgagggt gcggcggtcc atgttgagta ccggtgcttc 120
gtcggcggac tcgcctgggc cacagacgac cactccctcc acaacgcctt cagcacctac 180
ggcgagggtc tcgagtccaa gatcatcctc gatcgggaga cgcacagggt ccgcggcttc 240
ggcttcgtca ccttcttcac ggaggacgcg atgccgaacg ccatcgaggg catgaacggc 300
aaggagctgg acggccgcaa catcacggtc aacgaggccc agtcccggcg cggacgtgga 360
ggccgcggcg gcggcgggta cgggtggtgg cgtggacgca gcggctacag cagtggcagg 420
cgccgagatg gccgcagcag ctacagcggg ggcggcgggt acagtgggtg c 471

<210> 21305
<211> 465

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-040-Q1-K1-G3

<400> 21305
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 ctccgtcgcg gttccaggcg caggccgatg ccgtcaacct catctgcggc gccaaagacc 180
 agtcgaaccc ggagaacacg gtaggcgtga tgacaatggc cgggaagggg gttcgcgtgc 240
 ttgtcactcc caccagcgac ctcggaaga ttctgcctg tatgcacggg ttagaagttg 300
 gcgctgaggc aaacttggct gcggcaatcc aggttgccca gcttgctcta aagcatcgcc 360
 agaacaagag gcagcagcag aggattatag ctttcattgg aagtcctgtg aagtacgaca 420
 agaaaagttt ggagaccatt gngaagaagc tgaaaaagaa caatg 465

<210> 21306
 <211> 346
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-040-Q1-K1-G4

<400> 21306
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 gtcgccaac ccgagcgttc tgtccggcag ctaggtagcg agctgctcgg tggctgcgac 180
 cggaagcacg gaggcgcaca ggacaccaa cgccagtcga ttgccttgct tgctgtgtg 240
 ctccgcccgg cagcagttgg tcggtcgtgc catgcatgga tgacaaggaa cttatcttac 300
 agtctgacct gcactcattc taccatcagc atcagcagca ccaccg 346

<210> 21307
 <211> 463
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-040-Q1-K1-G5

<400> 21307

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agagaagggt catctgatcc tgcagtagct gtgaagaaac ttctgcatga ggaccatcat 180

acagctggag aaatagagaa aattacagga gaaggcctga catctgtctt ccagggctct 240

cagacgtcat tggaagttat aaaagcggca aagcactaca agctatttca gcgtgcgacc 300

catgtctact ctgaagcaag gagagtttat gctttcaggg atactgtctc ttcaaaactc 360

agtgaggaag gcaagcttaa gaaacttggg gatcttatga acgagagcca ttacagctgc 420

agcgtgctat acgaatgcag ttgccctgag ctggaagagc ttg 463

<210> 21308

<211> 303

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-G8

<400> 21308

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ggctttctcc gtaggatctc ttgctaggag tagcctgccc cgtgtgcgcg ctgcgacgga 120

catgcttggt tccgcgtctt gaaaggcgag aaaaagtgga gatgggcgct tgcgcttcgg 180

tacacaagga cccggggcac cccaagaagc agtttcttga ctctcccacc aaggcgaaag 240

ccgccaacgg gaaagggtggc gggggcggcc gtgttgctcc ggttggtgat ggcttcggtg 300

atc 303

<210> 21309

<211> 353

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-H2

<400> 21309

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atatgttggc gatctctgcg agggatgcaa ccatgttaga tgaatgcaaa caagagatct 120

agctaagcc tgcacggatc aacaatgtaa aacgcaagct ctactacaga ttgtctctca 180
agctcaagaa cacaaagaac tggcttacca ttctaagcca tatcttcact ttctcataca 240
cgcgaaatgaa caaaacgcat agtgacaaca tgacggataa atggcttatt tacatgacca 300
atgatggact gaaattgtag ctcgactgtt actgtctaaa tgtgattatc tag 353

<210> 21310
<211> 477
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-040-Q1-K1-H4
<400> 21310

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tggtggtagc agctctgctc ctctcatct gcacctgcac taccaggggg caagcggcaa 180
ggccggatcc aggatccgag ggccacacgc cacagcagct gcgcgctgct gtatccgtct 240
ccgttgctgc tggtaatgag aaggagagtg gctcatcagt ggccgtggtg gaaatgcgtc 300
ggcagcaaga gccggaggcg gtgagtgaat gtgaagacga cgactgagac gacgaacaag 360
cggagtgcct gatgaggagg acgttgctcg ctcacaccga ctacatctaa caccagggga 420
agcacaacta gctagtcact gctcactagc ctgtgctgct ggctcatgct catgtca 477

<210> 21311
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-040-Q1-K1-H5
<400> 21311

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ccaccacaag aaggacgagg agcagcccgc cggcgagtac gggactccg agaccgaggt 180
ggtcaccgcc accggcgagg gcgagtacga gaggtacaag aaggaggaca aggagcacia 240
gcacaagcag cacctcggcg aggccggcgc catcgccgac ggcgcccttcg cactctacga 300

gaagcacgag gcgaagaagg accccgagca cgcgcacagg cacaagatca cggatgaggt 360
cgctggcgcg gcggacgtcg gcgccggcgg ctacgtaatc cagcagcacc acgaggagaa 420
gga 423

<210> 21312
<211> 482
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-040-Q1-K1-H6

<400> 21312

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aggatcacat ttatttgcac ctgaaccatc tgccacctga gggttctcaag gaaaggcttc 180
ctggtatttc tgaaactgct gctatttttg ctggtgttga tgtcaccaag gagcccattc 240
cagttttgcc tactgtgcac tacaatatgg gcggtattcc aacaaactac catggngagg 300
tagtggatat caaggggatg aatccatatg ctgttgttcc tgggtctaatg gctgctgggtg 360
aagcagcctg tgcatctggt catggtgcga atatgctagg cgcaaattcg cttcttgaca 420
taattgtttt tggcaaagct tgtgcaaaca gggtagcata tatttctaaa ccagggtgaga 480
ag 482

<210> 21313
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-F3

<400> 21313

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ggtgagggtt acaggctcct gcacaggacg cgcgtcctcg tcaggcaggt ctgcgacacc 120
actgcccagg tcgtcgaggc ctggttccgg tcggacgcag cgtcccaggc gggggtggac 180
agctgggatc ccaccaaggt aaaggagggc gtcgtcaatg gcggcggcgg ctggcatggc 240
cagggatggc ttggcaaggg cgcattggagc gttggctgga ccgagatggg caaggatggg 300

acatgccaac gctgtgggga gaggttgtc tgcattgaca ttgatccaac cgagactgac 360
aactttgcaa a 371

<210> 21314
<211> 483
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-C6

<400> 21314

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tgactagtac agagggtgaaa atggctggcg gagctgctgg agaggataga gtccaagctg 180
tgtgctcaga gaaaaatgga tggctgattt gtgggatata tgatgggttt aatgggaggg 240
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tggagaatcg gataaagcaa caaatgggtc tatacaattc atcagaaagc tctctcgatg 360
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atg 483

<210> 21315
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-C7

<400> 21315

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catttttagag ctctatcttc gctaacatag gatccgtgtc aaggatcaat gctgcaggga 120
tctgatcatt caatctgatt accagtacag tgcagaaact gttttaagaa ctttatctag 180
agcatagact atctaaatct gtactaaaag atacacggat gtcacatctg cggaatataa 240
cattatcggt cttttcacgc atcactatat aatctcatag tgagtctata ctagtacata 300
acgtcttac 309

<210> 21316
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-C8

<400> 21316

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cgggatgccg ctgacggcaa tggagtaccg ttccttcttc gagaaccgg acatgaagcc 180
tgaggcacia atcatcatga agctacaaga tttggatggg tggaagtact tcggcaggaa 240
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ctacttcaag ctgaggtaca gagacaggga gcggcgggcg catggctacg ccgcactgct 360
tctccccagg ctggagatca tggtcgtcgt cctggcgatg ccgtgctcg cccaagcggc 420
ggcggcgctc atcaggggcg ggaccacgtg 450

<210> 21317
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-D1

<400> 21317

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tggctgtgtc attagctgtt tgcaaagctg gggctagcat caagaggatt cctttatacc 180
agcacattgc caacctagct ggaacaagc agttagtgtt gcctgtccct gcattcaatg 240
tcatcaacgg tggttcccat gctggaaaca agcttgctat gcaggagttt atgaccttc 300
ctactggagc tgcctcattt aaggaggcta tgaagatggg tgttgaagtt tatcaccacc 360
tgaagtccgt tatcaaaaag aagtatgggc aagatgccac gaatgttggt g 411

<210> 21318
<211> 358

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-D2

<400> 21318

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ctaccaggac aagactgaat ggggaactga gattgggtgg atctatggtt ctgtgacgga 180
agatattctc actgggttca agatgcacgc acgaagctgg cggtcgatct actgcatgcc 240
taagcggccg gccttcaagg gatcggctcc catcaatctc tcagaccgtc tgaaccacgt 300
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<210> 21319
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-D3

<400> 21319

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tgccagctga gccatgctgc aacctcatca aaggccttgc agacttcgag gccgccgtct 120
gcctctgcac ggccatcaag ggcaacgtcc tcggcgctcgt ctctgatgtc cctatcaagt 180
tcaatgccct cgtcaactac tgtggcaagt gcgtgcccac gggctacatg tgtgcgtaag 240
ctccgcgcgg ttacacgtc gtagccgttc gcgtgcgtaa ttaagcatgc acctgcatgg 300
cacacatgta ttgtgcgcct gctgatctct cctgtctcat ttgtgcacct taggttctac 360
agtccatgaa ccatattcca ggcaaattct tgtcagttca catgtatggg ctc 413

<210> 21320
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-D5

<400> 21320

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cgtgaacaga acaaagaagc ggatcaaatt gggatcaaaa tgtatgcctg ggacgatttc 120
 ttgaaagtgg ggaaggataa tcctcgtcaa ccttgcccta cgcaagcaag tgacatctgc 180
 actgtcatgt acacgagtgg gacaagcgga cagcccaaag gtgtgatgct gacccatgaa 240
 agccacgcca tgtatgtgaa aggggtggac ctcttcattg accagtttga tgataagatg 300
 acaacagatg atgtcttcct gtcgtttctc ccgcttgctc acatccttga ccgcatgac 360
 gaagagtatt tctttcacia aggggcctca attggctact accacggaga tctgaatgcc 420
 ttgagggacg acattgtgga gctgaagccg actctactgg t 461

<210> 21321
 <211> 142
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-D6

<400> 21321
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 agattcacag caaagaagcg tcgcaaacag agatcacaat gtatacctca aaccatatct 120
 acgaaaatca ttatcgataa ac 142

<210> 21322
 <211> 359
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-040-Q1-K1-D7

<400> 21322
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 gatctacgag ctgccatggc taactcagcg gcaccgggag gaatgaggtc gttcctgcag 120
 gccgtgtcta cggtcaccga ggaggcgccg acgccactcc gcgtcgtcca gatggagggc 180
 ctggctgtac tgaagatcat caagcactgt gaggagtttg cgccagcttt agttacaggt 240
 caattgctag gctggatgtc ggtagtgttc tggaagtgac caactggttt tccgttcact 300
 atcaggggaag acgatgatga agcagatgca gatggtgcca ttatcagctn gagatgatg 359

<210> 21323
<211> 300
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-D8

<400> 21323

aaattgatta gtaagctcac tgcaacacta gctgttttcc tagttttcat tcatttttgg 60
gtctgggttat tggtatgaac cacggaaaga attttcgggtt ttccgggtatg ggtacctcag 120
ttatatttgg tctgggttatg gtacttactg gtgggtgcatg tttgtgtgag tgcttagagt 180
ttaggctatg gccatcagat catgtatatg actatatgac tgtgtaaaac actgtttttt 240
atctgattgt gtaaaacagt gtttttgtat cgtacactat tgttttatag attgaagttt 300

<210> 21324
<211> 457
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-E1

<400> 21324

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acgatggacc acgataacta ttattgtcgg tttctctgat tcaattaagt gggaaccctt 120
ggtagtgatt caattaagtg agaagtgaga accctcattg tgctattttt ttgtttcagg 180
tgatcattcc tttcacaaag tacccttaca catcttagtt atcaactctg taagttgagg 240
tttttaggat ggcgttacat tcctgaaatt gtttgaatcc tttatgggat ttcttcatcc 300
ttaatcactt gcagatattc tttagtata aaaccattag cttagagtat ggaagggttg 360
tgtccagcaa ggtttatgac ggatagtctt cgctgttatg ctgcgtactc gatgtgttgc 420
ctttcttcta ccattctttg gtacataact aacacat 457

<210> 21325
<211> 297
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-E2

<400> 21325
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ctatgtctag ctttctatcg gatctgtgcc caacgctgga ttataagttc cctaaactat 120
ctacttcagt catatattga ctacctattg tgcatatcat caacaacaac gtatttaact 180
ttcatcgaag tctacttatt gtttttcgac ttaacctatt acacattaac ttcattgata 240
gttcttttta actacctgta taagatctaa tgtatgaatt actatctaata gaccctt 297

<210> 21326
<211> 234
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-E4

<400> 21326
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tgactggact caacgccaaa aaggggccac aaaaaggata taaaggactc acacccttaa 120
agggccccct agaaaaaac gcatctatag acacaccata aacaaaattt ttctttccta 180
taaacttgac atttaaaaag ttctctttgc attgtatatc ccacatgttt aaaa 234

<210> 21327
<211> 457
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-E5

<400> 21327
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cgacctatgc cttagccggt gacgccgaca tgctgcaaga cgtatgccca gctgactaca 120
cctcctcagt gaagctgaac ggtgttcccg tgcaaagcaa acttttcatg cgcacgactg 180
attcttttac ggtctgagga acccgtgcaa caccaacaac ctctcgggct acttactcta 240
cggctgtcaa cgaggacaag ttcccaggcg tgaacacact acgcgtatgc atggcgcgca 300
tcgactacgc gctgggagga cagaacacct cgtacacgca cacactcgcc acctagatca 360
tcttaggcac tagacagcac gctcaaggtc agcttcatca ccatcggcaa cagcatttc 420

accaagaccg taaccaagga cgacgtcttc gtattca

457

<210> 21328
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-E6

<400> 21328

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ggctttgagg gggaaagtga gtcaaagctg ggtgagaagt ttgttgaact ttttgctgaa 120
gtctttttgtt ggttacctct tgcccatgtc atcaacaaca aggtctttgt ggttcatgga 180
gggctattta gtgttgatgg ggttaagctt tcagacatta ggtccattga tcgtttttgt 240
gaaccacctg aagaaggtct aatgtgtgaa ttactatgga gtgaccctta acctcagctt 300
ggaag 305

<210> 21329
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-E7

<400> 21329

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agcatgaaga cgccgcaggc ggtggtggcc gtgctggtgg cggcggcgct gctggcttcg 120
tccgcttcgg cgcgcatcac ctgcgggcag gtgggggtcga cgctggcgcc gtgcatgccg 180
tacgcgacgg cgagggccag cgcgctccac gcgtcgtgct gcagcggcgt caagagcctc 240
aacagcgcg cgcggaccag cgcggaccga cacgctgcgt gccattgtct caagagcctc 300
gctaacacgg gcaagagcgt aaacatgggc acc 333

<210> 21330
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-040-Q1-K1-C5

<400> 21330

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cgggccgcgg atccctgatg ttgagatctg ggagctgaag ctgaagatct cgcggatgcg 120
ggtgcggctg acggagctgg agcgggagca ggggctaata aagcagcagg ggaggatgcg 180
cggcgggtgac ggcggcggcg ggcagcacga ccgcgccttc cttgcgtcgc tctcgagggg 240
catcggcagc atcaccatgt tcggcggggc cgcggcggcc gacagacggc gcaagaattg 300
tggcggcccg agctcccagt gctccgacgg cangggccgc angcggcaga aggcattcctt 360
ccctatgact gatgcttcgc tgctagcgtc gacagtggag gcgcggcagg gcgtgatcgt 420
ggatggat 428

<210> 21331
<211> 272
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-E8

<400> 21331

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ccggcgtgaa ccccatgctc gtcaagcgtc tcacggagtt ccctccgagg agcagtcttg 120
acccgagcaa gtacggcgac cacaccagca ccatcagga ggcggacctc gagaacaagc 180
tcgagggcct gacgggtgag caggcgtgc acggcaaccg gctctacatc ctggaccacc 240
acgacaactt catgccgttc ctggtcaggg tg 272

<210> 21332
<211> 138
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-F2

<400> 21332

gccgcttttc tgctgcgtac acagaaacag ctctttgctc gctgtcgtgg agttcttccc 60
ctgttcgatg gtcaccggga ggtactgcga cgcgaggctt tgctgcctt ccgattgctg 120
cataacgttg cttgatcg 138

<210> 21333
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-A4

<400> 21333

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 tggaccgttc tgaagctgca gaggaaggag actgacaagc aagcagaacg gccgctgtac 120
 caggttcttg aacaaaagga agaaaggata gcccttggga ctctatatgg gtcaagccat 180
 acgtatgtgc tgggaacaca agataaatca tcagctccga aaagggtgga tctgcttaag 240
 aatcaaaagt cagacaagggt ggacgtcacc atccaaccg aggaactgga agccatggat 300
 gatgttcttg cagccaagta tgaagaagct cgagaggaag agaagcttcg gaaccaacag 360
 gaggacttca gtgacatggg ggcagagaat gtcacaaga gg 402

<210> 21334
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-A5

<400> 21334

ccaagataca gtttccatta tggattgagt tgggagaagg aagcaatcaa tagccggggtt 60
 gagaaggcaa tatgtgaagc tgacaagaaa ggagctaaag ttgttaccct cggactcctt 120
 aaccaggcac ataacctcaa cagaaatgga gaactttatc ttcagaagtg cccaaagttg 180
 ggagtaagac tcgtagatgg caccagctta gctgctgcag tagttgtgaa tagtggtcct 240
 caaggcacag atcaagttgt tctcgcaggg aatatttcca aagttgctcg tgctgttgcc 300
 gcagcattgt gtaggaagaa tatcaaggta gtaatgacca acaagcagga ttaccatttt 360
 cttaagccta acatggcaga agatgcagct gagaaccttt tggtttcaaa gacaactact 420

<210> 21335
 <211> 238
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-A6

<400> 21335

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cgctgctgca agcggcagg atgcataaag tactatccac aatgaacatt accattccga 120
tagccgtatc atctctgctc tgagcacact ctactctgat ccgagctcat cccactatta 180
tgaatgtgat tcacactttg actataacta actcgtctga cacatgcgag taatattc 238

<210> 21336

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-040-Q1-K1-A7

<400> 21336

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gggccccgat tcgtccgacc ggcaccggga ttacctccgg caagcgcgga tctgaacgct 120
gcgctccgtg ttctcgctcg aatccgceat gaatggggcc aaattcaatg gcgccgtcaa 180
agccgatgcc aagctggcgg cgaaaagcaa gggggcggag aaaccgcga agggcatgaa 240
ggggaaagcc agcaaggacc ccaacaagcc taaaagggtt cccaccgctt tctttgtgtt 300
catggaggaa tttcgcatgg aagttcatgg agaagaacct taagaacaag tctgccgctg 360
ncgtgggaaa gctgctggcg acaggcgga atccctgagc gagtcggaca aggtcccta 420
tgtagccaag gctaacaagc tcaagctaga gtac 454

<210> 21337

<211> 474

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-040-Q1-K1-A8

<400> 21337

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gctcctcgcc gagcgatacg atggccgtct tctccgacct ccacaccgcc gacggcctca 120

agtcctcga gggtcacctc gccggcaaaa cctatgtgtc tggtagactcc attactaagg 180
atgacattaa ggtcttcgcc gcggtgccgt cgaagcctgg cgctgagttt cctaagccg 240
cccgtggta cgagaccgtc tctgcggctg tagcctcaag attccctggt aaggctgttg 300
gtgtaaactc gcctgcggga tcagctcctg cggcagctgc tcctgcggat gaggctgagg 360
atgatgatga ccttgatctt tttggtgatg aaactganga ggacaagaag gcagctgatg 420
agcgtgccgn cgctgcccaag gcctcttcta aaaagaaaga aagtggtaaa tcct 474

<210> 21338
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-B1

<400> 21338
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tgatctggtc aaggatggca tccgtccctt ctgggaggat cctgcaaacc agaattggtgg 120
caagtggata attagattca aaaaggcagt ttcaggtcga ttttgggagg atttggtgct 180
agtggtagta ggcgaccagc ttgagtatag cgatgatgtc tgtggtgttg tgcttagtgt 240
ccgtttcaat gaagacattc tgagcgtctg gaaccggaac gcacagacc atcaagctgt 300
gatggcattg agggattcta tcaagaggca cctcaagctg ccgcacagct atctgatgga 360
gtacaaaccc catgatgctt cgcggcgtga caac 394

<210> 21339
<211> 244
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-B2

<400> 21339
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gtgtgcggta cctactcgga caagcagcct gttgtactga tccaggtcta cgagggttag 120
aggacccgta cacgcgtcaa caacctgctg tgcaagtctg agctctccgg cattcctgct 180
gcaccccgta gtgtgccaca tatcatcgtg tgcttatata tcgacgccta cggcatactg 240

aacg

244

<210> 21340
<211> 225
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-B3

<400> 21340

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cctggatcat ggtaataat cacaatgcgt cccctatcgc aggatccttc aaaccagaat 120
ggtcgcaact ggataattac attcacaaac tcactttcag gtcgattctg gcaagattcg 180
gtcctactaa tagtacgcga ccagcttgag tatagcgatg atctc 225

<210> 21341
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-B4

<400> 21341

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tgccactggc ccgtagctct tcaagaggct gcgcccgggc ttcaagaagt agcccttctt 120
tcctccttct gcgatggaga gtcagcacta gaatgtttgg acagtgtatc ttggcttttg 180
cagggttatgc agttttctcg gaataatttg tgacgttgat tagttcagca tgaacgttgg 240
gtcagtttaa gagtgtgtgt tctacttcca tctaattggag gcaatttcat gtcaaaaaaa 300
aaaaccggaa cgcattagac catatagctg tgatggcatt gagggattct atcaaaagag 360
ccctcaagct gaca 374

<210> 21342
<211> 401
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-040-Q1-K1-B5

<400> 21342

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 ggcaagaag cacacggcga aggagatcgc cgcaagatc gacgcggcga cgacgaaccg 120
 gggcggcgcg aaggccgggc tggcggaccg gctggggcag gacaagggcg ggcattcgaa 180
 gctggcgtgc ccgctctgcc gcaccccgcc gcccgacatc aagtccatgc agatccacca 240
 cgaggcgcgc caccccaagc tccccttcga gccggagaag ctctcaacc tgcactcctc 300
 ncgccccgct gctgctgttg ccgncgacgn cgnccgncgn gncgctgccg aggccaccac 360
 ctncaagccc aagcccgggc tccgcggcag cctcaagaag t 401

<210> 21343

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-B6

<400> 21343

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 gtggcgagcg cgcagcggcg tcggtgctac ctgctggact acgtgtgcta caaggctacg 180
 gacgaccgta agctgccgac ggacctgtgc tgcgagatca tacagcggaa catgctgctg 240
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 acgtacggtc cgcgcaacat gatcgaggtc tgggaggccc ggccggaccg gctgcgctgg 360
 ccattgaaga gatggacgag accttccacg ccttcc 396

<210> 21344

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-B8

<400> 21344

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 agattcggcg atggcggcga cgatccaatc cgtgaaggcg cgccagatct ttgacagccg 120

cggaaccct acagtcgagg tcgacgtgtt ttgctcagat ggaacctttg caagggcagc 180
 tgttcccagt ggagcatcaa ctggtgtata tgaagctctg gagttgaggg atggtggctc 240
 tgactatttg gggaagggtg tctccaaggc tgtgaacaat gtgaattctg ttattggacc 300
 tgctctgatt ggcaaggacc ctacagcaca gactgagatt gataacttca tggttcaaca 360
 acttgatggg accaaaaatg agtggggatg gtgcaagcaa aagcttggtg ctaatgcgat 420
 tctggctgtg tcattagctg tttgcaaagc tggggctagc atcaaga 467

<210> 21345
 <211> 352
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-C1

<400> 21345
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 cgcgccgggc cgcgctacct ccgctcctct cttegccctt gccggcgctc aggccgaagc 120
 gaaggcgagc atgcatcacg accccaaccc cttegcagag ggcagcgccg aggacaaccc 180
 cttctcaaat ggaggagccg gaggcggcaa gcagcagtag ggcttccggc cgactgagcc 240
 cgtcgggttc ggcggcgcta gcaaggcgca cgccgtcgtt gacgtcccgc tcgagaccat 300
 gggggactct cggagcaagg tgaaggagct ctcgctgtgg gaatcagatc tg 352

<210> 21346
 <211> 460
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-C2

<400> 21346
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 cgaaggcgag catgcatcac gacccaaccc ctttcgacga gggcagcgcc gaggacaacc 180
 ctttctcaaa tggaggagcc ggaggcgga agcagcagta cggttccgg ccgactgagc 240
 ccgtctggat cggcggtgc tagcaagggc gacgccgtc ttgacgtccc gctcgagacc 300

atgggggact ctcgagcaaa ggtgaaggag ctctcgctcg gggaatcata tctgaagcag 360
 cgagaggcgg atatcaagag gagggaagag gcgctgaaaa atgctggcgt gccaatggat 420
 gaaaaaaact gggcaccatt ctttctcatc atccaccatg 460

<210> 21347
 <211> 407
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-040-Q1-K1-C3
 <400> 21347

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 ggggtcgggc cagctacct tcgctcctct cttcgccctt gccggcgctc aggccgaagc 120
 gaaggcgagc atgcatcacg accccaaccc cttcgacgag ggcagcgccg aggacaaccc 180
 cttctcaaat ggaggagccg gaggcggcaa gcagcagtag ggcttccggc cgactgagcc 240
 cgtcgggttc ggccggcgta gcagggcgga cgcgctcgtt gacgtcccgc tcgagaccat 300
 gggggactct cggagcaagg tgaaggagct ctgctcgttg gaatcagatc tgaagcggcg 360
 agaggcggat atcaagagga aggaagaggc gctgaagaat gctggcg 407

<210> 21348
 <211> 382
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-040-Q1-K1-A3
 <400> 21348

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 taagaagaca agtgagagtg ttgcattgaa gaaggtaaag atggagaggg agcgagaagg 120
 tttccatta acctctctta gggaaataaa tctctcttg tctttccacc atccttcaat 180
 cgtggatggt aaggaagtag tagttggaag tagtttagat agcattttta atggatatgga 240
 gtacatggaa catgatctta aaagtgtcat ggagaccatg aaacaaccat atacacaaag 300
 cgagggtcaa tgtttgatgc ttcagctgct agagggtgta aaatatctac atgacaattg 360
 ggtactccat agggatctga ag 382

<210> 21349
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G6

<400> 21349

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 ctgagttctg tttgttgaga cgcatagagc tagagtcgac aatgtcgctc gtgagggcgca 120
 gcaacgtggt cgacccttc tccatggatc tctgggaccc ctccgacacc atgttccgct 180
 ccatcgctcc gtcggcgacc tccaccaact ccgagactgc cgccttcgcc agcgcccgca 240
 tccactggaa ggagacgccc gaggcgcacg tgttcaaggc cgacctcccc ggcgtcaaga 300
 aggaagaggt caaggtcgaa gtcgaggacg gcaacatgct ggtcatcagc ggccagcgca 360
 gcatggagaa ggaggacaag gacgacaagt ggcaccgct cgagcgcagc agcgcccgct 420
 tcgtcaggcg c 431

<210> 21350
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G7

<400> 21350

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 cctggatgac agcatggaga acatcacact gaactggtac tttgggaaca accggtccat 180
 gcttgtgtcg aattgcctgt tccgatggg tggcgcggcc atcctgctct cgaacaggcg 240
 gtctgacagg cggaggtcca agtatgagct ggtgcacacg gtgcgcacgc acaagggcgc 300
 caacgacaag tgctttggct gcgtgacaca tgaggaagat gagattggca agattggcgt 360
 gtcactgtcc aaggacctca tggcagtggc cggagacgca ctttaagacca acatcaccac 420
 gctg 424

<210> 21351

<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G8

<400> 21351

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ccaattcccg ccgccgtcc atcccgtaac gcgacaccat gagggagtgc atttcgatcc 120
acatcggcca ggccggtatc caggtcggaa acgcgtgctg ggagctgtac tgccttgagc 180
atggcattca ggctgacggc cagatgcccgtgacaagac cattggggga ggtgatgatg 240
ctttcaacac cttcttcagt gagactgggtg ctgggaagca cgtgccccgt gctgtttttg 300
ttgaccttga acccactgtc atcgatgagg tgagaactgg cacctaccgc cagctcttcc 360
accctgagca gctcatcagt gggaaggagg atgcagccaa caactttgcc cgtgggtcact 420
acaccattgg c 431

<210> 21352
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G9

<400> 21352

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aggtttggtg ttggactggg ggataagggtg tctccaactg acatcgagga agggatgagg 120
gtcgggtgtg atcgcaataa gtaccagatt caaatccctc ttccaccaa aattgaccca 180
agtgttacca tgatgactgt ggaggaaaag ccagatgtga cgtacaatga tgttggtggc 240
tgcaaggaac agattgagaa aatgcgtgaa gttgttgaac ttcctatgct tcaccagaa 300
aagtttggtt agcttggtat tgatcctcca aaaggcgtcc tttgctatgg ccacactggc 360
actggcaaga cacttcttgc aagagctgta gcaaactcgga ctgatgc 407

<210> 21353
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-H1

<400> 21353

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cgggtacaga ttctcggtct gttggtccag aatactgccg aagggaacgc tcgaaggagg 120
tattaatcag gccggcatca agtactacaa aaagctcatc aacttattga tagagaacgg 180
aatagagcca tttgtaacaa tttttcattg ggacgtccct caagcactgg aagacaagta 240
cgggtggcttt ttaggcgaca ggattgtaaa ggattacaca gacttcgcta aggtgtgctt 300
tgagaacttc ggtgacaagg tgaagaattg gttgaccttt aacgagccac agacatttac 360
aaccttttcg tacggaacgg gagtttttgc ccctggacag tgctcaccag gagaaaaatg 420
tgctc 425

<210> 21354

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-H10

<400> 21354

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aggttgacaa cggttgagaga gtacatcgat gacacggaag attacatcaa tatccagctt 120
gataaccacc gtaatcagtt gattcagcta gagttattct tgagttctgg taccgtctgt 180
ctgtcgtgt actcattagt tgctggagtc tttggtatga atattccgta tacctggaat 240
gacggccacg gatacatctt caaatgggtg gttcttgtat cagggtttt ttgtgccttt 300
atatttgtct ccattgttgc ttacgcacga cacaaggggc tcgtcggatc ctgaatagct 360
gaaataaccg cgtacttgct tccctcaact gt 392

<210> 21355

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-H11

<400> 21355

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aagcatgggc tatcaggatc attatgggat agagccagtg tgggaggctc tcgcatgagt 120
gtgttctagg gaaggataaa ccgaggaaac cctttcatca tcaaattgtg tacaaccaca 180
gcttaatcat ttaatagatt tcctgtgaga caatttttat ttctaattcc atggtgtggt 240
tcgaacttgt gaaaagtaca aagctcatat tgcttaatga tggaaaaaac acaaccatgc 300
ttgagttggg tgctataaat tcatgatatg gtttaatgtc ataggactgg actggcagat 360
agaagtaaat cgatatatat ctctgttacg agttgtgcta agaaaatcat ttttgtgatc 420
atttac 426

<210> 21356
<211> 429
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-039-Q1-K1-H12
<400> 21356

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cgtctgagac gaaccgaaac gatggtgggc gccaatgaag tgggcggtct ggagtgcgag 120
cggaagccgc tggcggaggt ggtcggcgac tgcgtccagc gctggttcca ggacgcgtac 180
atggaggcgc gcaaaggcga cgtcgccaac caagtgttg tagcgcagat gttcttctcg 240
ggttatggaa cccccaagaa cgagtataag ggaaaacaat ggatggatag ggcgtcaagg 300
ttcaggtctt cagctatgaa ggttggcatg aaacgtccag gatactatgc aagtgactcg 360
gactccgatg atgccaacca atgacagtca gttacaaatt gagttatgat tagctaggag 420
attcacatg 429

<210> 21357
<211> 429
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-039-Q1-K1-H2
<400> 21357

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gagttggagg aggcagcagc tagcatcgac cagttggaga cagagctgga gcgccatctc 120
caggagaaac tagaggctga aattcagtgt ctgttgatgt tgaaagcgag gcagaattgg 180
caggtccgag cgggtggacca ggtggccttg gaggagcaca gggcgctgtc tgccggggac 240
aagaccagaa tgctgctcaa gctacgagag acggagagca agatcgtgat gctgaaagag 300
caggtggaca agctggaggt cggggagaag gagctcaacc ggacgaccga ggtcctgaag 360
atgcagagca ggaccttcag agcgtccctc tttggcctcg tccagctggg aatgctatgc 420
ctgtccctg 429

<210> 21358
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-H3

<400> 21358

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gagagaatga acctataata agaaactaca ttggcaaagt tactgctaatt ttcacgggtgg 120
acagtgagag caagacagtg gaagatgcat gtctagacat gctaaagagt ggacaacgcc 180
aaatgaggta tagactgaaa cagaagtact tcaatgggat acctgctaatt caagtgagga 240
ctacatcacc tattccaagc atgtctgaca acgactggag aaagttggtg gagaagtggt 300
ctaccccaaa tcacaaggaa agttgtgtga agaacaaact taatcgtgaa aaagtacagt 360
atcaacaatg cacaggctct cagtcctaca ttgcaaaggc ttttatattg aagcaagaaa 420
aata 424

<210> 21359
<211> 439
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-039-Q1-K1-H4

<400> 21359

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ggggtcacgc gcctggcgctc cgccgcctgc gcgggcgaga agttcccggc ggggcgtgctg 120

tacgcgtcgt gcgaggacct gccgaagctg ggcgcgtcgc tgcactggac gtacgacgcg 180
tccaagagct ccctgtcggg ggcgttcgtg gcggcgcccc cggcggcggg cggatgggtg 240
gcgtggggcc tgaacccgac gggcgagggc atggccggcg cgcaggcgct ggtggcgctg 300
gcggggggcg gggccgcggc gcccgcctg cggacgtaca acatcacggn gtacgtcccc 360
ctgggcaagg cctncacgcc gctggacttt cggcgaccg acctcgccgc ggacgcccgg 420
ggcggcaaga tccgggtgt 439

<210> 21360
<211> 300
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-039-Q1-K1-H5
<400> 21360

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tatcacactg ctacatcata cttattgata caaccacgtc catgcatcca ttcgaaacaa 120
ctgttcctta taacttcctt caacctctg atcacaaaca cgctggctta catacctaca 180
tccttgata agattacaca cacttcgtc acgcacactt tcacaactta catgaccttt 240
tgatgaatta cacaaccttt aactaacaac agacatatac aacctttatt taccaaacac 300

<210> 21361
<211> 436
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-039-Q1-K1-H6
<400> 21361

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agaaagggtc tgggacatca acctaggatg gttcttagag ccagtgggtc gtggtgacta 180
ccccttctcc atgagatcat tggctaggga acgactaccc ttcttcaagg acgagcagaa 240
ggagaagctc gccggttcct ataacatgtt ggggttaaac tactacacct cacggttctc 300
caaaaacatc gatattctac caaactactc acctgtgctc aacactgacg acgcctacgc 360

cagtcaagaa gttaacgggc ctgacgggaa gccattggt cctcctatgg gaaatccatg 420
 gatctacatg taccct 436

<210> 21362
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-H8

<400> 21362

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 cggagattcg agagggatgg cgttcacgat gcgggcagtg aaggtgcctc cgaactcggc 120
 ctcgctggag gagggccggc accgcgtctt cgatttcttc aagcaggcat gccgctctat 180
 ccccaccgtc atggagatct acaacctcga cgacgttgtc acgccctctc agctccgctc 240
 gaccatcgct aaggagatcc gtaaaaacca gaacgtcacc aacccaagg tggttgatat 300
 gcttctgttc aacgcgacgg aggagctgaa caacatagtc gaacatgcaa agcagcgcca 360
 tcatgtgatt gggcagtatg tgatcgcca agagggcctg gtgcatgagc tggggtcgaa 420
 agatctaggg aactctgact tcctgaagaa attc 454

<210> 21363
 <211> 166
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-H9

<400> 21363

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 atattcttcc tatcttacct tacttcctcc aagccgagtt tcctatcagg tgacgacaca 120
 caacacctca tcataccctg atatttctat accattaacc actcca 166

<210> 21364
 <211> 122
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-040-Q1-K1-A1

<400> 21364

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cgatccanac gcgagaagcg gcttccgacg ttgcgccggg agatagcgga gcccgctctac 120
ga 122

<210> 21365

<211> 149

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-A2

<400> 21365

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ttcggtcggg gtccaaatac tctatgctat attttggggc cttatgacac tcactacttt 120
tggtaacgaa cttgccccaa caagcaatg 149

<210> 21366

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G5

<400> 21366

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gggcgacgtg ggggggtgct ccaggaccgg ggtgccctac tacaactgcc ggatctcgac 120
caccgccaac ccctacaccc ggggctgcga gagcatcacc aggtgcaggg acgcggatcc 180
ctaggctctt gctttgcttg ctccatcgcc ttgcaaaggg aagtggggct gtcctcgtc 240
ccttcgacgc tgcagggcgg tggtgctgca aatgcttact aaatgaagtg tattttattc 300
tgtcttcttc tttgatcttt cttcctcttt tgtttgtctt ggtcgtcctt cctactttgc 360
cgggatatct agtaagtgtg gtaatgaaac actaatacta atggatgaat ctcgtgtgca 420
agatgttgat gagcaat 437

<210> 21367

<211> 289
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F2

<400> 21367

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aaccaccttg ataattttta atcatcacac aatattaaag aatttatgac aacgaacagt 180
atagacatta tccatcaatc cctactgagt cctctcccta taaacagtaa tattgaattc 240
cctaataccta tcgaagattc aaaattcgat atatcaaata tccaatcaa 289

<210> 21368
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F3

<400> 21368

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ctgagacggg aagaaggaga agcaggggca atcacagcaa cctggacctg gcaatcacca 120
ccagcagcag atactgccgg gtggtccgca ggacattcag ggagggcttg ggcttgggtc 180
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tgttggcggc gggtttgggg gtccaaatcc ttatggtaac atgccatctt ccatgggtgg 300
agggtggcgca ggtggtttag ggtcgatggg aagccaggtg cccagtgggt tggctagtgc 360
tggggctggt gcatttgggc ctggcggatt ggggtggtgt tcatatggtg tatcatctca 420
gttcggt 427

<210> 21369
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F4

<400> 21369

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cgagagctag ctggagggcc gtgaaaatgc cgatcaatag gatcgccctg gggagccacc 120
aggaggtgta ccacccgggc gccctcaagg cggcggttcgc tgagttcatc tccaccctca 180
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ccttcgtggg cggcaacatc accctgttcc gggggctcct gtactgggtg gcgcagctgc 420
tgggggtccac cgtggcggtgc ttcct 445

<210> 21370
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F5

<400> 21370

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tcgcagccac cgggggatac gcagcagcag caccggcgta ctccatcgac gttcatattt 120
aaggacttgg tttggataat tctactcgtc aacaaaagtg attaaaaatg gtgggttcttg 180
cagcttcaat cgtttcaaag tcgggaaaag cacttgtttc aagacagttt gttgacatgt 240
ctcgcataag aattgaagga ttacttgctg cgttcccga actggttgga actgggaaac 300
agcacactta tgttgaaact gaaaatgtgc gttatgttta tcaacctatt gaaggattat 360
atcttctact tatcaciaaac aagcagagca atattcttga agatctggac acattgaggg 420
tcctct 426

<210> 21371
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F6

<400> 21371

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caatcttaga cagcgcgct taccaactcc tagctcttca tatatactca cctaaattac 120
 aatacactca tcattatcac cacaacgatt tgactggaaa aactcatcac ttcacccaac 180
 ttaatctcct tgcagaacat cccactactg ccatctacat aaatctctac aaggccccc 240
 cccttcaacc ttcacatcag ccaccagcc taaatcctga ctgacactct ccttaccacg 300
 caccatatac tcccgtgcaa acgtttctcta ctgcattat aaccataca attgcacaa 360
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 cccct 425

<210> 21372
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-F7
 <400> 21372

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 aagagaaaga caggcaagaa agattggaga aagaaagaga aatgaagctg agggaggaga 180
 tggagaggga gcagagaagg cttgaaaagg agaggaggtt ggaacaacag agagaaagag 240
 agagagaacg acaggcagtg gagagggcta caaaggaggc acgtgagaga gcatctgctg 300
 aagctcgtgc aaaagctgaa agagaggccc gccagcgctc acagcgtgct gctgtgcaaa 360
 gggctcaaca ggaagcccggt gagagggctg cagttgaggc caaagaaaga gcaactaggg 420
 tagctgc 427

<210> 21373
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-F8
 <400> 21373

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 caggaagctc atgcatgcac tgctggtttg aaagctgtga caacatcagt aacagctgat 120

gcaattgaag aatgccgaaa gctctgtggt ggacatgggtt acttgaacag cagtgggctt 180
 cctgagttgt ttgcggtcta tgttcccgct tgcacttacg aaggagacaa cgtcgttttg 240
 cttttgcagg ttgcaaggat tctaataaaa accgtttctc agttggcatc cgggaaacag 300
 cctgttgga caatggccta catgggcaaa gtgcagtatt tgatgcaatg caaatctgct 360
 gtcagttcag ctgaagattg gcttaaccct gatgccatac aagaggcatt tgaagcaaga 420
 gcgctc 426

<210> 21374
 <211> 458
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-039-Q1-K1-F9

<400> 21374

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 ccgcgggggt cgggcgcgcg gcccggtca ccgacgccga cgcgggtggcc ggctttctcc 180
 gctactccga ctacaagccg ctgggggtgga aatgcggctg cgacggccgt ctgtacgacc 240
 cctagccgag cgtgcaacgc cagtgcactc tgctccggtc cggtaggggtg ggggagactg 300
 gaggccatcc aggttcttgg agtcatctgt tcttggtttt tgcattgcca tgggccatgg 360
 cggcttgctt cacaagctta ttatntctct ctctattctc tactagtctg agcttgcagc 420
 ttgtaccagc cgtagccgga gccatttttt tttttggc 458

<210> 21375
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G1

<400> 21375

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 cgagcatagt cgatctaccg ccaagccgtc atatggtggt cgadctcgcc cagccgccga 180

tctaccgcgc cggaggacca ccgccgatta acaggcacac cacatgcgcc cacggcgaag 240
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 gtggcctcct ggattcgatc gtcgcctctg cgtctcctcc tcttcctctg ctggttggtc 360
 tgttccaggg ttcaaaggcc aggtga 386

<210> 21376
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G10

<400> 21376

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 ccagattact gcattggaga acaagtgtc aggtgattac caatggattg gtttctgtca 180
 caatgatctt cagaatggca atatcatgat tgatgaaaag accaacgtgc tgaccatcat 240
 taaaatggcc atcgggtgtcc ctaaaaagcg gaatgacaaa tgggtggcta atcagctttt 300
 aaagctacat ctggagtaaa aagcttcgaa ggatgctcat cttcagttta tgcgctacta 360
 tttgttgact gacatggact tgcaaaagcg cacttaatac ttggtagttt tgga 414

<210> 21377
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G11

<400> 21377

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 gtgggttctg gggctgatga gcagtgtgct ggttatggta gacatcggac taaatatagg 180
 cttggagggt ggaacgcatt ggatcaggag atgagactag atgtgcagag aatatggaaa 240
 aggaatatgg gaagagatga taggtgcac tctgatcatg gcaaggaggc ccgtttccca 300
 tttcttgacg agaacgtgat aaaaactttg ttggaaattc cgttatggga aattgctaag 360

cttgatgaac ctgttggaag gggtgacaag aagatcttga gagaggttgc aaggctgctg 420
 ggccatacaag aagctgctct tcagccaaag cgcg 454

<210> 21378
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-G12
 <400> 21378

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 gcccaccgcc gcgcccgtcca cctccacgtc cgacgcccgc ctctccgact acgagagggt 180
 ctccgttctc ggccacggca acggcgccac cgtgtacaag gcgcggcacc gccgggtccgc 240
 gcagccggtc gcaactcaagc tattcgcgga cggggacacc tcggcgggcgc gcgaggccga 300
 gatactgatg ctgcgcgcg acgcgcccc cgtcggtgcgc ctacacgcgg tgatcccgtc 360
 ggccgcccggg gaggtcccc cggcgctggc gctggagctc atgcccgggg 410

<210> 21379
 <211> 434
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-G2
 <400> 21379

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 gtatcgtatg agttaaatgt ccttggcacg agaggctcta ggcggatgcy ttgcatcatg 180
 cactccatac ctgcatcatc agtggagcca ggtggcacag tgccctggaca gccagagcag 240
 attgtacctc gagccctgga ggattcattc cgcagcacgg cttccttctc gcagtcgttc 300
 cgtagcactg cctcattctc caagtccatc atggactcat ccatggattt caatagcgct 360
 cgcttctctg acatcgctgg cagcagcgct cgcttcacgg gcgttcctgg tagcagcgct 420
 cgcttcgcgg gcgt 434

<210> 21380
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-G3

<400> 21380

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 caagtccggc cttcaccccc ttaggcacaa actcgtgctc tggtagactc gccggacgcc 180
 tggagcgagg tcgcagtcgt acgaggacaa catcaagaag atcatcgatt tcagcacagt 240
 cgaatcgttc tgggtttgct actgccacct tgcgcgccct tcttcctgc cgagccccac 300
 tgaccttcat ctcttcaagg atggcatccg tccctctgg gaggatcctg caaaccagaa 360
 tgggtggcaag tggataatta gattcaaaaa ggcagtttca ggtagatttt gggaggattt 420
 ggtgctagt g 431

<210> 21381
 <211> 320
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-039-Q1-K1-G4

<400> 21381

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 ggctccacat aacagcacgc tatccaaact taccttctca cacttacaac ctattacata 120
 tatcatatta nttatacctt cattccacca tatgttctac actaattccc tcacatcata 180
 tacaccatac ctgaatactc actacaacca actcacacac tacatgcaca cacagagcat 240
 attctccttt aatccttaca caattcattc cacacaacat gtctcttctc ctacaccatc 300
 cgaaccactt ccatactatc 320

<210> 21382
 <211> 443
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F12

<400> 21382

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gacgttctac cgcggtgtgcc gcaagaagtc gacggagggg ttccagtcga ccccgtagct 120
ggtgacgctg ttcagctgca tgctgtggat cttctacgcg ctgctcaagt ccggcgccga 180
gctgctggtg accatcaacg gcgtcgggtg cgtgatcgag gcggcgtagc tggccgctga 240
cctggtgtac gcgccaatg ccgccagggc gtcacggcc aagatgctgc tggggctcaa 300
cgtcggcgctc tttggactcg ccgcgctcgc caccatggtg gtctccagcg ccggcctccg 360
cgtgcgctg ctcggatgga tctgcgtcag cgtcgctc agcgtattcg ccgcgctcgt 420
cagcatcatg cggcaggtgg tcc 443

<210> 21383

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-039-Q1-K1-D5

<400> 21383

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cgccaacttc gccatcacgc gcgcgacggc cctggagtac tccttcttca aggcgcacgg 120
catcgaccag cgcactctga acaccggctc catcaacacc cagatcggct ggctccagga 180
catgaagccg tccctctgta aatcggagca agactgcaag gattacttca gcaaatccct 240
gttcgctcgc ggggagttcg ggggcaacga ctacaacgcg ccgctcttct ccggcgctcc 300
atcttctgat gtcaagactt acgtgccct tgttgcaaag gctatcgcca atggcggtga 360
gaaactgatc gagcttgggg caacagacct nctggtgcct ggcgttctcc caattggct 419

<210> 21384

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D6

<400> 21384

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cggcatacaag cagccagcat gtccgacgag aatcaccacc acttctttaa ccaccacaag 120
aaggaccagg agcatcccg cccagagtag ggttactccg ataccaggt ggtcacgctc 180
cccagcagc gccatttcta gaggtacact aaacaggaaa cataacttaa gcacaagcat 240
gactctcgct caggccgatt ccatccaccg actacaattc gcctatctta taaacaatac 300
cattttctaa caccaagact tacatc 326

<210> 21385

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D7

<400> 21385

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caaatacagc agctctgaga tgggagcttg agcttaatgg tgatgacagc ttgaaccttc 180
tgtcctacca atctgggttaa ccttcatttg taggcccac aagttaatat tgttcataca 240
aacatgtatg tccatgactt cttgaggcaa gtagtcagcg aagttccaga tattgggtgca 300
tctgatgtta ttgctgatga taagcttggc aaaggacgta tatctatcct gtagttgata 360
aggttcttac atgtcaaaat aatcttctac gaagtgttaa taaatgctga attgtcatc 419

<210> 21386

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D9

<400> 21386

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gtggtgatgt ggagttatcc tgtgtgttct gctagctggg tatttacctt tcgaggactc 120
taatcttatg acgctgtata agaaaatctc aatgcagaa tatacatttc caccatggac 180

gtcgttcctt gccaaagaggt tgttaacaag aatccttgat ccaaattccga tgacggtatg 240
 caagagcaca aaagctgctc gaaataaaat actacccaaa acaatgtagg aatttttgag 300
 agtctaaaag ttcctactgc acttactagc acatagccag agatagatgt atttggggga 360
 aagattcttt tagggaagta tagacaacat gcatatatcg aaatgaaact atttgtgtga 420
 ggaaagagtt gcaacc 436

<210> 21387
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-E1

<400> 21387
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 agaggcttgc caagaagtac catgctttct tggcatcaga ggccatcatc aagcagattc 180
 cccgtctcct tggctctggt ctcaacaagg caggcaagtt cccgaccctg gttactcacc 240
 aggaatccct cgaatccaag gtgaacgaga ctaaggcaac cgtcaagttc cagctcaaga 300
 aggtcctttg catgggctgc gccgtcggca acttgacgat ggaggagaag cagatccagc 360
 agaac 365

<210> 21388
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-E10

<400> 21388
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 cttcacagcg cggaagatgg ctgaacagga tgcccagctc gtggttgagg caccaacccc 120
 agttcttggg gagcctatgg acttgatgac tgctctgcag ctctgtatga agaagtcaag 180
 tgctcatgac ggacttgatg agggctctac tgaggctgcc aaggccatcg agaagcacgc 240
 cgctcagctt tgcgtgcttg ctgaagactg tgaccagcca gattacgtca agctggcgaa 300

ggcactctgc gctgagcaca atgttcacct ggctactgtt cctgccgcga agactcttgg 360
 cgagtggggcc gggctttgca agattgactc tgagggcaag gcaaggaacg ttgtacgctg 420
 ctctgtgtgc gtcgtc 436

<210> 21389
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-E11
 <400> 21389

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 cgggcgaggc tggctgtgcc ttcattaaat atcaaacaaa agatcaagca ttggcagcta 120
 ttgaagctct aaacgggaag cacaaaatag agggttctag cgtgccgttg gttgtcaa 180
 gggctgatac agaaaaggaa aggcaggctc ggaaagcaca aaaagctcag tcacagctat 240
 ctcatatacc caatgcaagt ccaatgcagc agcactcttc agtatttggt gctttacaga 300
 tgggatatat gcctcaatac aatggatttg gttatcagcc aacagggaca tacggactta 360
 tgcagtaccc tctatctcct atgcaaaaatc aaggcccctt ccagaatatg gttcaacctc 420
 ttactcaagg gaactcgata agaggagt 448

<210> 21390
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-E2
 <400> 21390

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 aagtcacaaa ggttgggcat ggtcgtgttg cacttatttg atttcccagt gttggaaagt 120
 caactctttt aacgatgttg actgggacac attctgaagc tgcatacat gagttcacia 180
 cgcttacttg cattcctgga attgttcatt acaatgatac caaaatccag cttcttgatc 240
 ttcttggtat cattgaagga gcttctgaag gcaaggggagc tggtaggcag gttattgctg 300
 ttgcaaagtc atcagatctt gtgctgatgg ttctggatgc ctcaaagagt gaaggacatc 360

gtcaaattatt aactagagaa ctggaagctg ttggactccg tcttaacaaa aggccttccc 420
agatatactt caagaggaag aagacgg 447

<210> 21391
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-E4

<400> 21391

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agtgggtggcg ccggtgaaac gaaggctagt tgatgaattt aaatcttgtg acttgtctca 120
ccgacagaag agaaaagtta agttgcaggg aaactcactg caaactcaga caccaagaag 180
atcaccacga ttggtaaacg tgaacaatac ttgtaataag aacaaaaaag tgctcgaaagg 240
aagagccaaa gtgctgaaaa caccaccaga tgcaacagat caggtgaagg atagagcaca 300
taaatacatgt ttgcttgatg agaaactaga taatgccttg aaagctgttc atgaagaagc 360
gacaggttcc ttatctcagg atctcaagaa actggattcc ccacgggtgtg aggttggctt 420
aagtaaagag cat 433

<210> 21392
<211> 416
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-039-Q1-K1-E6

<400> 21392

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catttgcagg cagatgtgag ttagccggcg gatccgatcc gtgcgcctgc tgtgtgtgtg 120
tcggtggaga tggccacagc ttacgtctcc atggcgagcc aggtgatgaa gagcagcctc 180
gtcgtgcact cgaggccgag gggcctgtca ggcgtgctg cgctcacgag gcggccccgg 240
ttcaccgtca aggccatcca gcccgagaag gcaacgtacc aggtggtgca gcccatcaac 300
ggcgaccctt tcatcggcag cctggagacg ccggtcacct cgagcccgct cgtggcggtg 360

tacctctcca acctcccggc ctaccgcacc gncgtgagcc cgctgctgcg gggcgt

416

<210> 21393
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-E7

<400> 21393

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ttcgtgggtg agcggatcga gatggcggcg tcggatgttg agtaccgctg cttcgtcggc 120
ggcctcgcct gggccacgga cgaccactcc ctccacaacg ctttcagcac ctacggcgag 180
gtcctcgagt ccaagatcat cctcgatcgg gagacgcaga ggtcccgcgg cttcggcttc 240
gtcaccttct ccacggagga ggcgatgcgg aacgccatcg agggcatgaa cggcaaggag 300
ctggacggcc gcaacatcac cgtcaacgag gccagtcctc gcggcgggcg tggaggcggc 360
ggcgcgggcg g 371

<210> 21394
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-E8

<400> 21394

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acatgacgcc gccggcgacc gggcaagggg gaggaggcca taaaaataga accagactgg 120
tgttggccat tgcattgcct ttagctgctg caactgcaat attagctctc gcagtagcat 180
gtttgtatta ccggagtaga agaagaacaa cagcgcaaag ggactcatca ggaaagccat 240
gttctcctag tccagatgac attgataaga gcatcgattc gctccttttt gacctaccgg 300
cattacgggc agcaaccaat aacttcgctg aaagcaataa gcttggcgaa ggagggttcg 360
gtgcagttta taagggaatc ctttctgaag gccaacaagt agcagtgaag aggctctcac 420
ttggctctac acaa 434

<210> 21395

<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-E9

<400> 21395

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aacgtcatgg atcttgggta ctccgagacc gaacggagcc gtcggctgga gacgctgatg 180
gtgaagagaa aatccaggaa aaacatacag tttagactgg acggcgtggg cgggtctatca 240
gacggtctat cacggttacg tccgaaagtt catcctgttt cagtttcagc gcgaaggatg 300
aaccggttta ctaccgatga ctccgagatc ccaggctcgg ctccctctat tctgcatcca 360
cgagacgacc ccttcagttt tctcaccgat gaacagccag ctgacgacaa cagtggccac 420
cctgcgaccc at 432

<210> 21396
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F10

<400> 21396

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gggaccgagt gaggccgccg catgctcctc ctctccgac cgtacgtttc ctctcccta 120
gcaatcgcaa cccgttcagc caatcattgc cgtctccacc aactccgttc ccctattacc 180
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gaaggagacg gtcgatcaga gtctgagacg gaggccgac caccaccgca gcgacgagcg 300
ggaggagatg aagatcatca ttgacacgga tcccggcac gatgacagcg tggccatcct 360
gatggcattc cagatgccgg gcgtccaggt cctagggctc accaccatct tcggaaactg 420
caccacagag catgccacac gcaacgc 447

<210> 21397
<211> 419
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-F11

<400> 21397

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 caccagacct tgaaaacgct gacgaattaa tggagaatgg ccaccatgtc aagcagagtc 180
 taccaacgac agctgaagac atgggctgtc cgatggacag taaagaacga catcctgcag 240
 cacttcataa gcaaaatgat gtttctgagc acaagtcaca gcagcttgat gacacattga 300
 aacacaaaa gagctgtgat catcctcaac ctgtaggaag ccctgagcag gatggaaaag 360
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<210> 21398

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D3

<400> 21398

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 cgtcggcggc ggtgagctgc ggcgaggtga cgtcgctcgtt ggcgccgtgc ctcgggtacg 180
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 gccggctcgg cggcggcgtc agcatggcca acgccgcaa catccccggc aagtgcggcg 360
 tctccgctcg cgtgcccac agccccaccg tcgactgcac caagatcaac tgatcgatgg 420
 aac 423

<210> 21399

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C1

<400> 21399

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aggatgacca aactgtaaag aaggaaaaga aatccaagag ccagccaatg gagggatcca 180
aaagcgatga tgagggtccc gaaaacaaaa aggaagaaac gcctaaagat cggattcgaa 240
ggaagaagtg gttcaacatt catttgaaag tggacaagag aaggccctgc tgataactgc 300
gatatatcat gtgctcctca agatctctgc tccaagtaca aggaaaaatt cccatttgac 360
gtccaggaag atgcatcttg tcgatcatga tcaagcccat tctatttctt gaaaagtc 418

<210> 21400

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C10

<400> 21400

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cctgtgtgga acgacaacga ggcgctgact gtggggcctc gcgggtcccat cctgctggag 180
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tcgacggtga tccacgagcg ggggtccccg gagacgatcc gcgacccgcg cgggttcgcc 420
gtgaagttct acaccgcga gggcaactg 449

<210> 21401

<211> 224

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C11

<400> 21401

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tgggcggtgg acgtgtacct gattttacta tgtatgcgtg acaacagata tgtgtctgct 120
 ccttctatctt tcttgccctt gcttcaaaaa aatggatctg aacattgcga gttcgtactt 180
 tgtagacaat atatatatgt gtgtgtatgt gcttggtttg ctcc 224

<210> 21402
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C12

<400> 21402

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 ttttattggg tatctgctgg tggagaagtt cttaccctg atgcgcctca actttactgg 180
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 tgcacattg gtattgctgt ttgttgcctg ctcccttgta tcatagcaat tttatatgca 300
 gtgtcggatc aggaggagc atctgaagat gacattcgtc aaattccaaa atacaaattt 360
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 atga 424

<210> 21403
 <211> 416
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C2

<400> 21403

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 tgacaccatt gacaacgtta aggccaagat ccaggacaag gagggcatcc cccagacca 180
 gcagcggctc atcttcgctg gcaaacagct tgatgactgg cgcacgcttg ctgactacaa 240
 catccataag gagagcacc tccaccttgt gctccgcctc aaggaggagca tgcagatctt 300
 tgtgaaaacc ctgaccggca agactatcac cctcgagggtg gagtcctatg acaccattga 360

caacgtcaag gccaatgatcc aggacaagga tggcctcct ccagaccagc agcggc

416

<210> 21404

<211> 403

<212> DNA

<213> Zea mays

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<400> 21404

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tggtagaaag cattcgagga cgcgaggcaa agctgcttcg aagtgaagtg ttgactgaaa 180
gcagcgggtgc atggttgggt tgggaaagcg aacggactaa tcagtttttag aatgctttgt 240
taacctaggt agctatgcat tcataaagtg cccgctgtgc ttgactgcag aacgtgaaat 300
tcaattagac agactgaaat gcaatgtacg tacgctactc ctaaacccta agccatttgg 360
ccatgatcta ctgatgatga agtgaaaaaa aaaaaactaa aat 403

<210> 21405

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C6

<400> 21405

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gcaggaggaa tttgaggagc atgctgagaa ggcaaagacc ttgcctgaga gcacgagcaa 120
tgagaacaag ctgatcctct acgggtctta caagcaagcc acggttggag atgtgaatac 180
cgatcgtccg ggcatattct accaaaagga cagggccaag tgggatgcct ggaaggctgt 240
tgaaggcaaa tcgaaggatg aggcgatgaa tgactacatc accaaggatga agcagctcca 300
ggaggaggct gccgcctctt aaaagtctct taatagtgtt gccaaacagc tatttgtcag 360
atgagctttg tgccatttcc tcattagaag tatatcattc gatccattgg ggatctgtga 420
accatgtacc tg 432

<210> 21406

<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C7

<400> 21406

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aagcaagtgt tggatggaaa gctggtgtta aggattataa attgacttac tacaccccgg 120
agtacgaaac caaggatact gatatcttgg cagcattccg agtaactcct cagctcgggg 180
ttccgcctga agaagcagga gctgcagtag ctgcggaatc ttctactggt acatggacaa 240
ctgttttgac tgatggactt accagtcttg atcgttacaa aggacgatgc tatcacatcg 300
agcccgttcc tggggaccca gatcaatata tctgttatgt agcttatcca ttagacctat 360
ttgaagaggg ttctgttact aacatgttta cttccattgt gggtaacgta tttggtttca 420
aag 423

<210> 21407
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C8

<400> 21407

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cttactttac cccaaccatg gccgacctt ttcaatctgt ggaacgctct tataaaccat 120
taacctttca cttactacc accaatcttc caaacctaac aactactat ctctacaaca 180
ttcctactta catataacct aataccaatt cttccacatc ttctaccaca attacattcc 240
caatcatcta ctcccttatt ctcaattcat cctacttata aactaaccat attcttactc 300
catctccaac tatactataa cactgaacta aaccatcatc ttttacatct a 351

<210> 21408
<211> 463
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-C9

<400> 21408

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tggggcagct aacaatgggc cggctcgtae tacatgtaca gatcatgact ggtggtgttc 120
tctggtcggc aaatgcagca aaccaaccat gtctttgctg tgtggtgtgg ctgctgcatg 180
taacaggaaa agaagcacgg cgggtgaagg ttcgactgtc taatgcatga tgctccgata 240
ccataaactc ctacccgggc gcataaccat gctaagattt atcacggtta tgatcaattt 300
gtgatggctg attgctgcc aatggagggtg gctgttctca tctcactact ctatatccca 360
caagtgaaag caattgtaa aagttctaga gccactctat atcccacgaa cgagagcaac 420
tgtaaaaagt tctagagctg gtaagataag tctgaatac tgt 463

<210> 21409

<211> 238

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D1

<400> 21409

acttctactt actagccac gccatcaacc accacatatt caacaatgcc ttcacatca 60
accataacat ctctttactt caacattcaa tcacctccac tctatgacat ccaatcaata 120
ccgcaatcat tttctttacc ttttctact agatctactt actcaattat cactctacta 180
ctatccacat gactattcta tcacatcaaa cccttatcta ccgaccacaca tcaatata 238

<210> 21410

<211> 443

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-039-Q1-K1-D10

<400> 21410

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aggacgatgg tggcatacaa ggctgcccag gacattgctc tggtgagct tgctccaact 120
caccctatta ggcttggaact ggcaactaac ttctcagtgt tctactatga gattctgaac 180
tcacctgac gcgcctgcag tcttgcaaag caggcttttg acgaggccat ctcggaactg 240

gacaccctga gcgaggagtc ctacaaggac agcactttga tcatgcagct ccttcgtgat 300
aacttgaccc tatggacttc tgacatctcg gaggaccctg ctgaagagat tagggaggca 360
cccaagcgcg actcgagtga ggggcagtaa agccggctnt atgtgcctag aaactagtag 420
ctagtgtttg ctgctgtcga atg 443

<210> 21411
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D11

<400> 21411

ccggccttcc tgcgatccta cccgtgcccg acggccttaa acgcgcgcgc gcgcgagcga 60
gggacgtggt gaggaacgg ggggaggaga cgacgcgctc gcctattggc cgccggctcc 120
gctcctttgc gcccagtgcg acggccacgg cctgagcggc gctgccagca tggcggctag 180
tatgagcagc atggagtcgc ggtcggtcgc aacgaacctg gtggagccca tagggcacgg 240
cgccgcgctg ccgtccggcg gccaggcagt gcagccgtgg tggacgagct ccggggctgt 300
gctcgggtgca gtctcgccag ccgtcgtggc ggtggcgccc gggagcggga cggggattag 360
cctgtcgagc agcccggcag gtggtagtgg cgggtggcggc gcggctaaag gagccgcgag 420
tgacgagagc aacgaggatt ca 442

<210> 21412
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D12

<400> 21412

agcgcacga agctgcctct gaccaaccta tttgcatcca tcgcccactg ctagggttcc 60
aagaaatttg gtgtgctgtg gcgaccgggc tttccctatg gggttggtcat catttcggga 120
gcgtcgtggc tacctccggt gctgcggcca gcgcgactag gccagatcga ccagcgcga 180
cgacggttgt gcacggcgtc ctcgacatc gctccgccag ctcaaatctc caagcgctcg 240
agctcgaaac tcctccaatc ggctcgtccg tgccagcaat cgacctccat ccacagagca 300

ctcaccgaaa ggtggctctg gatatctcct gcactaacag caccacaaaa attgcattca 360
acaccaggat ggtgcgtttg cggtgataat aacaatcaga catcgcgaga ttataataga 420
gtgtgttatg cagtgatgta aatattt 447

<210> 21413
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-D2

<400> 21413

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tcttgccgga gttcgcccga ctgtcaccat ggagaacgag gagggtaaga ctgtggacct 120
ctatgttccc aggaagtgct cggccacaaa caggatcatc actgccaagg accatgcctc 180
tgtccagatc aacattggcc acttggatgc gaatggcctg tatgatggtc acttcacaac 240
atgtgtcttc tctgggtttg tccgtgctca gggcgatgca gacagctcct tggacaggct 300
gtggcagaag aagaaggctg atatcaagca gtagatttta catctagttt accaagaatt 360
ggacactgcc ttagctatgt tttgaattca tgtcactata tgcaatgttg tgatttcagc 420
tggtacctta aatctgaaga tttagtatct 450

<210> 21414
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-B9

<400> 21414

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gcggcgatgg ggaagcaggg ggcgaagaag atgaaggacg agaacaagaa gcgcttgac 120
ttacttctgc gcatcatcct catatccaat gttatttaca tagtggtgag gatggctata 180
atgcattcat ccttcacctg gaagcattgg attggcctta tggtaacatc ggccgcatat 240
tttcttccat ataagcaact cgccagtatg gcaaagccag tttactctga taacggagaa 300
ctactggatg gtggcttcga tttgagcact ggtgggggtt gcgagtattt atatgatgtg 360

atctacatca ctgtctttgt gcaattgatg tctatcattt ctgaaaaatt ttggtggaca 420
tatttagtga ttccagcttt tgctgg 446

<210> 21415
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A3

<400> 21415

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ggaggttgac cagatctatg accttgcttg ccctgcttca ccaatcttct acaagcacia 120
tcctgttaag accatcaaga caaatgttat tggtagcctg aacatgctgg gacttgcaaa 180
gagagttgga gctaggattt tgttgacatc aacatctgaa gtttatgggtg atccacttga 240
gcaccccaa accgaggcct actggggcaa tgttaaccca attggagtca ggagttgtta 300
tgatgagggg aagcgtgtag cagagacgct gatgttcgac tatcacaggc agcatggcat 360
tgaaatccga attgccagga ttttcaacac ctatggggca aagatgaaca ttga 414

<210> 21416
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A4

<400> 21416

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agagaatctt gtcagtaatt ctgagacaga tcgatgggtt tgagcaggat agacgggtgg 120
tagtcattgc tgcaacaaat agaaaggagg accttgatcc agctctcatc agccgttttg 180
attcaatcat ctgttttggc ttaccagatc agcaaaactc tgtggaaata gctgcacagt 240
atgccaagca tttgactaga tcagaattgg ttcaattttc attggccact caagattttt 300
acagattggg ctacccatat tcttggttag ccagtgagga tgcatagata cagttctagt 360
ttcacagatt cgtctctatc cataatccat atccggtgca acctgtgact agagatgtgc 420
aga 423

<210> 21417
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A6

<400> 21417

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acttgaagtt aatgagaagt ttggctatcg cggaagtga acaaagctac attgcagaat 120
tatgcaactc gctgacaaag atgactaacc tgaaaacact atttatttcc acgtgcaatg 180
tgaatgagac tctcaacata gaaatgctaa agccgttgcc aaatctgaca tcatttctcc 240
tatcaggaaa gttggagaga ggcttgcccc cgtcgatatt ctctatgaat ttaaaacagt 300
taaaattggt cggttctagt ctgaagaagg atcctgttag ctctgttctc catatgctaa 360
atcttggtta tctattcctc actggagcat atgatgggga acagctaact ttttgcacca 420
gatggttcc 429

<210> 21418
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A7

<400> 21418

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tcgtccaccc cgatcacgcg gcgggtatcg gagcatggcg tctgcggcgg ctgtggacgc 120
cggcgacgcg ccggagccca cgggtgcgaa cctcctagac caggagtccc tcaagtgggt 180
cttcgtcggc ggtaagggcg gcgtaggcaa gaccacctgc agctccatcc tttccgtcct 240
cctcgcgggg gtccgccagt ccgtgctagt catctccacc gaccccgcg cacaacctcag 300
cgatgccttc cagcagcggg tcaccaagtg tcccaccctc gtccgcggat tcaccaacct 360
ctacgccatg gaaattgacc cgaaggtaga aaatgatgat ttagccaatg aaagaatgga 420
g 421

<210> 21419
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A8

<400> 21419

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agatctcatt gcctcctaag gccgatcttc caccaggtg acggggcggg tatcggagca 120
tggcgtctgc ggcgcctgtg gacgccgtcg acgcgcctga gccactgtg cggaacctcc 180
tagaccagga gtccctcaag tgggtcttcg tcggcggtaa cgacggcgta ggcaagacca 240
cctgcatctc catcctttcc gtccctctcg cgggtgtccg ccagtccgtg ctagtcatct 300
ccaccgaccc cgcgcacaaac ctacgcgatg ccttcagca gcggttcacc aagtttccca 360
ccctcgtccg ctgattcacc aacctctact ccatggaaat tgaccgtag gtacaaaatg 420
atgatttata caatg 435

<210> 21420
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A9

<400> 21420

acaatctcgt ttacacctaa ctatacagat catctcatct tgcaccttac gactgaatta 60
tctagcacag gtcaacattt catgcgcgtc ggcaaaatct atatcatata gtctacatct 120
ctcatctcac taaaattgc tactacattc ttataaaaga acttcatcac tctattcttt 180
catggctatg caccatctg actcaaataa tattgatcta tagtacacac accttctact 240
tcatgacaaa cttatcctat attataaaga tcttacgatc tgtcacatcg ttactatgt 300
ctacaccgaa tgttctaatt atctatatcc ttcttctcta caactattac cgtatcttcc 360
cactctcacc tcttaaccta tcatatctga tcccaacatt c 401

<210> 21421
<211> 281
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-B11

<400> 21421

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cggtacagca ccggttgcag atacgatgta tacttattac ttgccaataa ccatatatag 120
cttgagtaaa aaaatcatat atacggcttg gtttcagttg tccaaaaggt tcagcttttt 180
tttttctaac ggtcttttct aagaatctga ttatgtagag aatttggttg taagtgagta 240
tataggattt agaatctgaa agtaaagtgt ggatttctct t 281

<210> 21422

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-B12

<400> 21422

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agtgtcggac acacatcaca ggtagaatat atactactaa ctactcaat cactcattct 120
tacttctaca catcactatt atatccaaca tcatttacat atatttcaaa aatctcatcc 180
tactcattca ttacttaatc ctactcaaa atcactactac ttaaagaatc atcatcccaa 240
tattcatata catatcaaca actctccact atagcaaaac caccttacta acatcacaca 300
taactactgc atatctactt caattctacc tacatcctct taaacgcaa tacatataa 359

<210> 21423

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-039-Q1-K1-B2

<400> 21423

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gggctggctt tcttggtttg acaagagcag cacttgatgg gcaactgagat actgggattg 120
tgtggatttc gagcctggac tattgaaatg aacagaaaac caaacagtcc taaccaaate 180

cagcgtctat gtgacgagga ctgattaagg caccagtgca gggcttcagc gacaatgttc 240
 agccaagaca ttgcaaacca atataaagat attttccttg atgcctccta tcccccaaaa 300
 tgattgctcc tccttcattg acattggaga aacacataac tctgtttttt cctgaacggg 360
 ggatttagaa gcatcatgaa nggtgtatgt gtagtgagaa gctatagatg gtgaaggaga 420
 tagatatagg ta 432

<210> 21424
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-B3

<400> 21424

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 gggggtgagc ggatcgagag ggcggcgtct gatgttgagt accgctgctt cgtcggcggc 120
 ctcacctggg ccacggacga ccaactccctc cacaacgcct tcagcaccta cggcgaggtc 180
 ctcgagtcca agatcatcct cgatcgggag acgcagaggt cccgcggctt cggttcgtc 240
 accttctcca cggaggaggc gatgcggaac gccatcgagg gcatgaacgg caaggagctg 300
 gacggccgca acatcacctg caacgaggcc cagtcccgcg gcggccgttg aagcggctgc 360
 ggcagcgggt acggtggt 378

<210> 21425
 <211> 425
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-039-Q1-K1-B5

<400> 21425

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 agggctgtgc atagatcaga atttgatagc atgataaaag agaaagaaaa gacttacaaa 180
 aggttgagag aggagaacga attcgcgcaa aagattgagg aggagaaggc gctgaagcag 240
 ctgaggagaa ccatggtgcc acatgcccgg cagggtccca agtttgacaa accattccga 300

ccacagaaat cgacgaaaca ggtgacaagg ccgaagtcgc cacagcttca ggtggatgag 360
 cgagggggcga ggaggcatgc tntaatcaga tgaccaccgt cctcgectca agatctctgc 420
 gacgt 425

<210> 21426
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-B6
 <400> 21426

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 aatgttgcgc acacttcatt ttgaaatgac aaagctttac attctacggc tttgttcatg 120
 gatgcgggca acaacaaagg agatatcaaa agatgagact tgggttactt tatccaccct 180
 tgagagaaac aagtcccagt atgcgatttc atgcttgccc ctggagtcc gtgacataac 240
 agtttcagct atggaccgaa ttgatactat gattcttaat ctgatgagcg agactgcgaa 300
 gtcatatgac atttctcaac cacttcagga aatcaatgag tctgttagac ttgcattttt 360
 gaattccttt ctggactttg ctggttatct ggagaggttt ggaggtgaac taaccgagaa 420
 cag 423

<210> 21427
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-039-Q1-K1-B7
 <400> 21427

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 tccctttttg tttctccacc aactaaagct gaccagaaac cacaagcttc tccaaagaca 180
 gctaaggaca taccctcaac tcataaagta actaccacta atgtagctgc acactctgat 240
 aaccagcaag taatccctgc tgatgcacca ccgcctgac tgcttgatct acgtcaccag 300
 acagatccat cgaaccgacc atcacctgac cctttttcac agctacaagg tctacttgga 360

ccaacatctg ctgctcctgc gctttctagg actccgteta ccactaccaa tacttccaaa 420
ccaccatatc tta 433

<210> 21428
<211> 422
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-039-Q1-K1-B8

<400> 21428

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gccgcttctt cctctggctt cccctcccgc taccacacga gcagcttcct gccgccgcag 120
cgtacgcattg gcctcgtcgg acggctctgc cgcggccctg cccagcgcta ccgtcgatgt 180
gcccggcgcc ggggcccctg tcctcgtcgt gggcgcgccg'gggctccccg aggtgactt 240
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gggcgtcctc acctacggga ggctgagcct caccgggggtt ctcatccagg gcgttgacat 360
gttcgggaaa cgggtgggct ntctcaagtt caaggctgat atcgtggacg aggaaaccaa 420
aa 422

<210> 21429
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A2

<400> 21429

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gaaccgcacg ccaaggatcg tcacgttttg gtgcattgctc cttgcgtcta tcttctcctt 120
gctgtgggtg aagatcgatc ctttcatctc cccgacacag aaagctgccg ccttggggca 180
atgtggtgtg aactgctgat ccagattgtg actcttatct gaagaggctc agccaaagat 240
ctgccccctc gtgtaaatac ctgagggggc tagatgggaa ttttttggtg tagatgaaga 300
tggatctgca tccaagttat gcctcttggt attagcttct tcggtgccg tgctgctgca 360

gacaatcatg gagcctttct a

381

<210> 21430
<211> 352
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-038-Q1-K1-G3

<400> 21430

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tgagagggcg ngattgtgtg ccatgaatgc agagatcatt acaacgaagg tttgggttga 120
gtccttaaag aagccttgtg tcagaacatg agcccagggc ccaagtctta tattgcacat 180
atactgagta tggttggcct ctgtgggtttt ccaagcaagc taggaggaaa tatgagaaat 240
gttttgtgtg acagtgaagt agttgatctg gaactgttgc ttgcagatgg cgaatctcta 300
agtgtcatg cgggtatcct atcagcaaga tgtcctaaat tattaccatc tg 352

<210> 21431
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-G4

<400> 21431

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ggtaccggca gatgcccatg atcacgcgct cctacctcac cgccgccgtc gtcaccaccg 120
tcggctgcac cctcgagatc atttcgccgt atcacctgta cctgaaccgc aagctcgtgg 180
tgcagcacta cgagatctgg cgctcgtca ccaacttctt ctacttccgc aagatggatt 240
tggattttct gttccacatg ttttttctcg cagcatactg caagcttctg gaggagaact 300
catttagagg aagaactgcc gacttttttt acatgtcttt gtttgggtgct actgtcctaa 360
ctagcattgt tctgatcgga gggatgatac cttacatttc cgagacattt gccagaattc 420
tgttcttgag caattc 436

<210> 21432
<211> 144

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-038-Q1-K1-G5
 <400> 21432
 tacaacaaaa gctatatata taatcttaaa caaacctga gataaaacat aataccatat 60
 tccacttctt atcttgacaca tatactctat atatttcacc acctgatgat caataaccac 120
 tctacatatc actataataa atta 144

<210> 21433
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-038-Q1-K1-G7
 <400> 21433
 gaagatTTTT ggaagttgga tgacacaatc atcaaaacca ttgagactgc tccaacaat 60
 ggactgaaaa aagcaaaaga aatcattcaa cgtattcgcc gaagagaact ttacaagttt 120
 tgcaaccagt attctgttcc aaaggacaaa ctggagcatt tcaaaaatat tactgcacag 180
 gacatagttt gttcgagaa atcttctgag gtgctgctga aggaagagga tgttgagta 240
 agcaatgtta agatagatct tactcggtga aaagataacc cccttgaaag catcaagttc 300
 tttaaagatt ttgggtgcga cgagaagttc cccatcacag atgataggg 349

<210> 21434
 <211> 473
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-G8
 <400> 21434
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 gggctacgag catcctagaa atgagatgga gtggtgttgg aattgatgac tgggtggagga 120
 atgagcagtt ctgggtcatt ggaggtgtgt cctcacacct ctttgctgtg ttccagggac 180
 ttctcaaggt catagctggt gttgatacaa gcttcaccgt gacatcaaag ggtggagatg 240

atgaggagtt ctcagagcta tatacattca aatggactac cttattgata cctnctacca 300
 ccttgcttct attgaacttc attggtgtgg tcgctggcgt ttcaaagcg atcaataacg 360
 gatatgagtc atggggcccc ctctttggga agctattctn tgcattttgg gtgattgtcc 420
 atctttatcc ctttctaaag gtttggttgg aaggcaaac aggacaccaa cga 473

<210> 21435
 <211> 407
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-G9

<400> 21435

caaggatctg aagaaggaat tctgctgcaa tggactgtga gttcaggacc cagagctagg 60
 ccaggtcatt cagctccaag gtgatcagcg caagaatgtt gctactttcc tagttcaggc 120
 tgggattgcg aagaaagaga acatcaagat tcacgggttc taaggacact gtaaagtctt 180
 gtgccctata ttgtgtgcct ccacatattg gggagcttga agcatcgaca agttactagt 240
 cattgcttac ttatataaga acataagtag tatttgctat tgtcaagtgt gccttgcttg 300
 atgcaagttg tgttttcgta tcattattat tatgcacggc catcgtagct gtatggcttg 360
 tatgggttat tgccaactta ataaaagcac actctgtttg cctaaaa 407

<210> 21436
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H1

<400> 21436

cccacgcgtc cgggacgctg cacgggctcc agccgccgga ggcttcctcc aacacgctgt 60
 tgaacgacaa gagcagctac cgcgagctgt ccgagatcgc cgagcaggcc aagagacgag 120
 ctgagatcgc gaggctgagg gagctcaaca cctcaaggg ccacgtggag tcggtggtca 180
 agctcaaggg cctggacatc gacaccatcc agcagaacta cacggtgtga gagccctct 240
 gctgcgatgt cgacgacaac acctttgctg ccgcacggga gccatctgat tacagataaa 300
 aattttccta gcttgaagc gctataccac cagatactgc catatgatgg tatgggtggg 360

<210> 21437
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H11

<400> 21437

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cgaagaaact ggcagatata tcgaggaaag caaattgaga gttgttcttg ttagttcata 120
ccaatccctc gaagagcaac ccactaatgg aattcatgac actgagccag ctgttgaagt 180
tcctttactg aaagagatgc caaatttagg gagcgaagta ccagatgttg caaaagaaat 240
tcctgcccct ctggtacaag gtccagcaat tgtgaccgga ataccttcac ctgtcaaaga 300
ggttccaggc ctgagagaaa ttcctgtgcc actgaacgaa gcaccaactt tattggcaga 360
atttccttcc cctcaaaaag atccctctgc tattacagtt gaacc 405

<210> 21438
<211> 118
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H12

<400> 21438

agccatgcct gaagggaata aggaaaagga caaaagccgg aaccctgatg cctcaagtcc 60
ttcgcccttt cgaggccccg cgtacaagac caaactttgc gcgctttgga agggcaag 118

<210> 21439
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H2

<400> 21439

acggggcgcg ttagtgtctg gtaattggaa tgagtacaat ctaaaccct taacgaggat 60
ccagtgggat gtaagccgca gtgggttgga tatattgcc accttcacct gagagaagat 120

atcgggcgcg caataatgat tagtgagcag tcctgtatgg agcctgggtg cagcctctgc 180
cagtattaag tgatctacgt gttatacatt ttttatgttc atgaaacatt gatccattga 240
taaaatatat cgtcaggtgg caaggggtcg atttggggga aaaaaatacc ttattaatat 300
actcaacaa 309

<210> 21440
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H3

<400> 21440

acggtgatca ctgatttctg gtcattggcaa ccgttactga ggaagttgct tcggtcgtca 60
ccgtgtccga tgagccgycg cgggagggcg cgaatgaggt ggcggagaag ccggaggagg 120
ggaagaagcc cgacgaggag ggtggcgagg ggaagaaggc ctgccccgtc gcctagaatg 180
agaagaaggc gaggaagccg ctgagcatga agcccaagtc cgccggggccg caccacccgc 240
cctacttcga gatgatcaag gatgcgatcc tgtcgcatga cggcggaag gtcggtgcga 300
gcccgtacgc gatcgccaag caca 324

<210> 21441
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H4

<400> 21441

acgtctcct cctccttggga cctcccatct tccttcctct tcgttcgttt ctccaaccga 60
agctgaccgg cattcgctcc tggttttccg gccagaacc gatttttttc cggttccggc 120
gtagcagcag gcagctagct tgccaccagc tgattcattg cctctactag tgtttttctt 180
gagctcggtg gggatgatcg tcatcgcc gccgctcgag acacgtacgt acgtacgtac 240
ccgatcgagg gtcgctccaa gatgatgatg agcgggaacc ggaagcagag ggtggcattg 300
tcgccggtga acgaggccgt cgcggtgccc aatgaggaag tgtgggaggt ccggcccggc 360
gggatgctgg tgc 373

<210> 21442
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H6

<400> 21442

gctattgccca ttacatgcaa atatgccata tagatctgaa gctggagaat gttctgggtgg 60
 agggcagccc agctccacgg ctttaagatct gcgatttttg ctattccaag tcatcagtgt 120
 tgcattcaag acccaaatca gcagtaggaa cgccagcata tattgcacct gaggtgctat 180
 cccgtcgcga gtatgatgga aagcttgacg acgtatggtc ctgtgggggtg actcttttacg 240
 tcatgcttgt gggagcatat ccatttgaag acccagatga cccaagaat atacgcaaga 300
 ccattcagca aataatgcaa gtgcaatata agataccaga tcatgtccac atatctacgg 360
 aatgccagca acttattgcc cgtatctttg ttgccaatcc aatgagga 408

<210> 21443
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H7

<400> 21443

gaagactggc gtgacaaaag ctgattatct gaacagtgat ggtccccata aaaatagaga 60
 aggcagtga caagaaagt atgctcaaag ttcttgcaca aggtcagagt tggaggctga 120
 aagtaagcaa actaacaaca ttttgagta tatgcaatca actgaaaggc atttgtttat 180
 tcgtagccac aaggatttag agctaaatgg agagacaaaa acacgaacta agggtaataa 240
 cttgattcca acaagagaag acgatttatt gccaaagaaa agaacatgtt tgaatgacaa 300
 tgattctgag agaacttcca gagatatgga gctagttcac attatggaca atcagcagaa 360
 gcatgacaca cagagggatg tggatactat gagaacaaca ttcaggggaa atgatgagaa 420
 gaac 424

<210> 21444
 <211> 404
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-H9

<400> 21444

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cgggagatgg gacactaggg agaggaagac ggctctccag aacctggaac agttccagga 120
gaaggcaaag aaggaaaggc tgcggatttg gcaatatggc gatgttgaat ccgatgagga 180
cgagcaggcc ccaactgcaa ggaagcctgg aggtcgtcgg tagagctccc caaatgtgag 240
actctgctgg gagttataga ttcaacttag agggtaacctt atttattccg ttagaaaaca 300
gaacttagtg aggcgaaact ttctcggttt gaggactttt gatattccgt attttacatc 360
gtaagcttat aaagttaaag gtacattgcc ttttctctga acac 404

<210> 21445

<211> 280

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A1

<400> 21445

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gttttttatt tttgtttttt tttttttttt ttttttaaaa atatttttac tttttttact 120
tttttatttt ttatattcta ttttaacacaa tttctttttt ttttacaacc ctaaaacaac 180
acccttaact taacaactac aactccttta aaaaaaaact ctacaaccaa actaacttta 240
aaaaaattta caacatacca tgtacctttt acaacacttt 280

<210> 21446

<211> 238

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A10

<400> 21446

tacattcact tatacatcat cttcacttac cacataataa ataataatac aagaaagatc 60
taactatatg aaggacatca aaaacctatc accaatacca caaaatctta acatacaaaa 120

caaatacata ttacatacac acctaacaat atcacttcta atctcttaat agacatttca 180
ctataactca ataccacaat atctcttata aaatcaacca taacatctaa tccaaatc 238

<210> 21447
<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-A11

<400> 21447

tcgacccacg cgtgcggtcg ttcgtccagc taactgcact gcactgcact gcacgcaatg 60
gccaccacgg cgaccgaggc ggcgaatgct gcaccggcgc gggagcagca ggccaacggc 120
aacggcaacg gcgagcagaa gacgcgccac tccgaggtcg gccacaagag cctgctcaag 180
agcgacgacc tgtaccagta catcctggac acgagcgtgt acccgcgga gccggagagc 240
atgaaggagc tgcgcgagat caccgccaag caccatgga acctgatgac cacctccgcc 300
gacgagggcc agttcctcaa catgctcatc aagctcatcg gcgccaagaa gaccatggag 360
atcggcgtct acaccggcta ctgctcttc gccaccgcgc tcgcactccc ggaggacggc 420
acgatcttgg ccatggacat caaccgcgag aactacgagc 460

<210> 21448
<211> 355
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-G2

<400> 21448

cacaagttca cctgtgtata aagggaagtt tctcatggct gctagaagac ttatgcgtgg 60
tccccatact gagtacggtg tggctcttga tgcagaggac gtatcacaag ggagcaattc 120
atacatggga aaactgagat ctgatttctg ggggacaaac ttcaaaatat atgatagcaa 180
gccaccatat gacggcgcta aagcatcaag tagtcgatct agtcgtcgtt tcggaagcag 240
aaggattagt cccaagtat cgtctggtta ctatgaagtt ggacagggtt catacaaata 300
caacttgctc aaatccagag gcccaggag aatgaattgc actcttgaat gccct 355

<210> 21449

<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-E9

<400> 21449

cattctcgca tgctcttcaa ctgtggttgc gggatcagtt gcttcatact actgggcgcg 60
tggtgaaata tcacatgaga taccatttct cactgtagtc tcttctactga agcgactgat 120
gcgctacagc cttggatctg ttgctctggg ttcacttggt gtatctgttg ttgaatgggt 180
gcggtttata ctagaatgcc ttcgtcgcaa gttgaagcta gttgattctg cccgagagag 240
ctgctttgga aaagcgacgt cctcctcttc tgaatgctgc ctgggttgca tagactggac 300
cctcaagtca gtaaatacgaa atgcctacat tatgattgcc atcaccggga aaggtttctt 360
caaagcttca gtgctcgcaa ctggattaat aatgaagaac attttt 406

<210> 21450
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-F1

<400> 21450

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tgtgtgggtg tttgtgtctg cctaccttct ctcccatttg ggggtgcagt taccctgcag 120
gcacagaaag attaccacc agacatgcaa tgcaaggata aattcttgat tcagagcacg 180
aagggtggcca cgggtaccga gatggatgag atccccctga tacgttcaac aaggaaggct 240
gataaggtaa tcgaggaaat gaagttcaag gttgtctaca cattacctag ctacggagggt 300
tcaaatagact ctacggtatc attttttagga agccggagct tcaaagcagc gtctgacgat 360
ctgatgatgc tgaagaatgc 380

<210> 21451
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-F11

<400> 21451

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gaggcaacca aacagatatt gcaatgaacc tcgtaccga aatgaggcag cagaagatga 120
tagtggctgg gaaactgtaa gccaagttga ggagaatggg tcttgtaatt caccgggagg 180
aagtgaaccg tctgtaaatg gcttctgtgg agaaaacgat gcttccgtaa gtggaaccga 240
ctgggatgaa aactgtgaca atgatcaggc acacagtgg atcagtgaag tttgttcaac 300
agcagcaggc aggtctcgga acaaaagatc attcgccgga ctatggagat catcaaacac 360
cgtggaccaa aagaagatgg gatccaatac actcaacggg agg 403

<210> 21452

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-F12

<400> 21452

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tgctattatc ttctgggata gatttgggta acttcatgca aaaatttact catccaggaa 120
aatttttcta ccattttgaa cttctggtag tcttgacttc atcacttctt atgaaccaca 180
tcattatatt aatttgtata gagtccatgt catgcttccc agcaggatca aggtcgttgt 240
cgtctccagg tccatcaaat gcgacaaggc cgagcgcacg caattcagct ccgaagtcac 300
ctcctttcaa cagaaagatg caagtaacac caagtcactt gcctttgatg gttgatacat 360
ttcactgtat atcattgcac gacagatcca tttagtacct ttttc 405

<210> 21453

<211> 277

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-038-Q1-K1-F2

<400> 21453

acggccgagg tgaagaactg cgtgacgcag gtggccaaga agtcgctgag cctgaacgcc 60
cggggcgggc tccacaacgc gcgcttctgc gagaaggacc tgcagacggc gatcgaccgc 120

gaggcgggtgt tcgcgtacgc ggacgacccg tgcagcccca actacccgct gatgcagaag 180
 ctccgcgcgg tgctggtcga gcacgcgctg gccaacggcg acgccgagcg cgccgcggag 240
 acgtncatct tcgccaaagt ggccgagttc gagcagc 277

<210> 21454
 <211> 397
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-F3

<400> 21454

nggaggatgt gcaagtgatg aaaccgacaa tattctgtgg tgttcctcgt gtttatgatc 60
 gtatatatac aggtataagc atgaaaattc agtctggagg gatgatagcc agacaccttt 120
 ttcagtatgc ctacaactac aaacttgcca atatgaggaa agggctgaaa cagcatgaag 180
 catcaccgtt tttcgacaag atagttttca gcaaaataaa ggaagggctt ggagggcgta 240
 tacgtctcat gatagctgga gcagcacctt tgccagggca aatcgaagaa ttcattgcggg 300
 taaccacctg cagcgttgta gtacaaggat atgggctcac tgagagttgt gcaggatgct 360
 tcacgtcaat cgccaacatt ttctcaatga ttggaac 397

<210> 21455
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-F4

<400> 21455

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 cggggccccgc gccctcatat ggtatagtcg ccgcctcctt gtcaccgccg attcgattag 120
 gttgatacag ggaggagtcg cgagggggacg tagatgccga cgctgacaaa gctgtacagc 180
 atgaaggagg ctgcccttca caacacgccc gacgactgct gggtcgtcgt cgacggcaag 240
 atttatgatg tgaccaagta tttggaggac catcctgggg gcgccgatgt tctgctcgaa 300
 gcaaccggtg aggatgctac agaagaattt gacgatgcaa ggcacagcaa gaggccaag 360

<210> 21456
 <211> 479
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-038-Q1-K1-F5

 <400> 21456

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 tgatagagaa cggaatagag ccatttgtaa caatttttca ttgggacgtc cctcaagcac 120
 tggaagacaa gtacgggtggc ttttttaggcg acaggattgt aaaggattac acagacttcg 180
 ctaagggtgtg ctttgagaac ttcggtgaca aggtgaagaa ttggttgacc tttaacgagc 240
 cacagacatt tacaaccttt tgcgtacggaa cgggagtttt tgccctgga cgggtgctcac 300
 caggagaaaa atgtgctcag cctattgcta actcactcac cgaaccatac attgctggcc 360
 acaacatcct tcgagccac gctatgactg ttgacctcta caacaagaat tacaagggta 420
 cagacggccg cattgggctt gcgtttgacg taatgggtcg cgtgccatat ggaaataca 479

<210> 21457
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-F7

 <400> 21457

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 attgtgatga gtctcgagga gcacttcgat attagcgttg aggagtccag cgacaaaaca 120
 atcgccacag ttgaagacgc cgcggacctc atcgacaagc ttgttgctgg caaagcgtag 180
 ttctgtacct cctctatcgt tgcctacca ctctaggtct atcccttgat ctaggtttct 240
 atgggtctgaa gatttgatgat tttctccgca ctgttggtgc tatccccgtg tcgtaataat 300
 acgagatggt ttaagcgggt gaacattacg gtggtgtaat cagagtaatc tgttgctggt 360
 aaagtgcatt ngtgaatgaa ttgtctctac ccgagtagaa gaatcagacc attcgggatt 420
 ctatgatcat tat 433

<210> 21458
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-F9

<400> 21458

cagatcttca gatttcactc tgcaaggaaa tggtagaatg gacccgtgca gagaagcgta 60
ctttcctccg gcaacgtgtg gaggcaaggt tggcagctct cctgttagag aatcaggagt 120
atactgaagc ccttaccctg cttactagtc ttatcaagga agtcaggaga cttgatgaca 180
agttacttct tgtggacatt gaccttttgg aaagcaaact tcacttctcc ctgagaaaatc 240
tgccaaaggc caaagcctcc ttaactgctg ctagaacagc agcaaagcc atttatgttc 300
cacctgctca gcaaggcact attgatctcc agagtggaaat cctccatgct gaagaaaagg 360
attacaagac tgcttacagc tacttctttg aagcatttga agctttt 407

<210> 21459
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-G1

<400> 21459

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cttgaagcg cttctgctg ttttactatt cgaaaagaag caaaaggcaa aagctattga 120
tataatagt agtgaatgca gggataaggg ctatgacggg attgtgctcg agtcctgggc 180
aagatgggct atttatggcg tgctggatga tcaagagcta cgttacatgg cacttgaatt 240
tgттаagcag ctgggagagg ctttgcattc agtcaattcc aaatcaagta gccaccattt 300
ggaactaatt tatgttattc cggctccaag aatgcaaaag ctcaataatc aggactttgg 360
acccaaagat ctcatgcac tggtgacac tgtaaaggt ttttctctta tgacata 417

<210> 21460
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-G10

<400> 21460

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aattggttga cggttagtga gccccagaca ttgacgtgtc cttttcctac ggaactgggg 120
tctttgcccc aggtcgggtgc tcacctggac tagactgtgc ctaccaact ggggaattcac 180
tcgtcgagcc ttacactgct ggccataaca ttctcctagc ccacgctgag gctgttgatc 240
tttacaacaa gcattacaag cgcgacgaca cccgcatagg gcttgcgttt gacgtaatgg 300
gtcgtgtgcc atacggaaca tcgtttctgg ataaacaggc cgaagaaagg tcctgggaca 360
tcaacctagg atggttctta gagccagtgg ttctgtgtga ctacccttc tccatgagat 420
c 421

<210> 21461

<211> 413

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-038-Q1-K1-G11

<400> 21461

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ggggtcctcc ttgagacctt gcctgcccga gtgctctcgg tgagctactt tgtttcgatt 120
tatcaggaaa tccgtttgct tcatgttggt cagggtcata tctgattgct ggattcggca 180
aaccgcggtt ggatcctgta tcggttagtc cttgcctgca aggttcttgt tggtttggtt 240
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gtcgtcggtc gggttcggag cgggatctga ngcggacgat aggatgggaa gcggcgggga 360
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<210> 21462

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-G12

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<210>	21463
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<212>	DNA
<213>	Zea mays
<223>	Clone ID: LIB3062-038-Q1-K1-E8
<400>	21463

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atggacgcat	ggatgttact	gtggcatttt	ctgcattcgt	tattgccata	gcattgcttt	180
tacaaagagg	aaatcctcgt	tttgctcagc	taaccagttc	agtttttggg	ttatttttact	240
gtggctatct	accttccttc	tgggttaagc	tccggtcagg	attagctgcc	cctgccttaa	300
atacaagtat	agcataccgt	tggccaattc	ttctgggtgg	acaagctcac	tggacagttg	360
gacttgtagc	aaccttgatg	gctattagta	gcacatttgc	tgctgataca	tctgctttcc	420
tttgtgaaaa	gggcattggg	cgtacccctt	tgact			455

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<210>      21464
<211>      345
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3062-038-Q1-K1-D2

<400>      21464
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9307

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 aggacatcgc caaggagacc gccagggact ggaagggcct gcgcgtcacc gtgaagctca 240
 cgggtgcagaa ccggcaggcc aaggtctccg tcgtccccctc cagcgccgcc cttgtcatca 300
 aggcgctcaa ggagcccagag cgggaccgga agaaggtcaa gaaca 345

<210> 21465
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-D3

<400> 21465

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 tgcccttttt ggcttccgcc ttgaatgcat tgagagaatg ggtgaaagt atggaatatg 180
 ggcttggaca agattcaatc aactgttcaa ttatctccca ctgcgtgcca tgatagaaaa 240
 gaaaataatc tgcattgatg gaggcataag aaggtcaata aacacagtgg agcaaattga 300
 gaaacttgag aggcctatca caatggatgt tggttccatt gtcctcatgg acctgctatg 360
 gtctgacctt acagaaaatg ataattgtggg aggggtt 397

<210> 21466
 <211> 430
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-038-Q1-K1-D4

<400> 21466

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 gaagccgtcg acctccggag ccgggagctc ctgcgtccgc ggcgagtcgg gcccgaggcg 180
 ggtggtgctc gcgaacgcga tagacgtcag ccacttcggc tatttccagc gcagcgccgc 240
 ccgcgagttc atcgtctttg ttgccgcac cgctcgtcag cgcacccagc caggccagcg 300

gcagtcctgc cagcacgaag aatacaaggt ccaactccac aatagagatg ggctttgggc 360
 tgttgcatc atggatgac aatatnctgt accgagtgca ttttctcttc tgaatcaggt 420
 tcttgatgag 430

<210> 21467
 <211> 378
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-038-Q1-K1-D5
 <400> 21467

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 gtgcgcaacg gcgctggagg aggctggctc cgactacgag atcgtgcca tcaacttcgt 180
 caccgtcgag cacaagagcc gcgagcacct cgtccgcaac ctgtttggtc aggttccagc 240
 tctgcaggat ggtgacttgt acctcttcga atcacgagca atctgcaagt acgtgctcg 300
 cataaacaag ccagagctgt tgagggaagg aaacctctat gatgcagcaa tgggtgatgt 360
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<210> 21468
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-D6
 <400> 21468

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 tctgttgaca tacgttctga gggaacataa ggagtttgcc tctactactt gtctggcatt 180
 tgctccagct gcatgtatga catggaaact ggcagagtca agagtgcatt ttatcactac 240
 agtcatcaac ggagctgac tggttccaac attttctgct gcgtcagtag atgatcttcg 300
 ttcaaagggt acagcgtcgg cttggctaaa tgatctnctg caccaaattg aacaaaccag 360

aatcctaagc actttttatc gttctgcac aggcttggga tcccggcttt catcta 416

<210> 21469
<211> 286
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-D7

<400> 21469

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gtgcacttga tcatatgaaa tcatgaatct gctgacatca atgccctttt tggcttcctc 120
cttgaatgca tcgatagaat gattgaaagt gatggaatat tatcttgtac aacattcaat 180
caactactca attatcttcc actcgtgcc atgatagaaa agaaaataat cttcatgcat 240
ctaggcataa taaggctgat aaacacaact tagcaaattg acaaac 286

<210> 21470
<211> 450
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-038-Q1-K1-D8

<400> 21470

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gatccgttgt tcagtgtata tgggaacgtg caggagagtt ttttctgca atgaagaatg 120
tttcttttga tattgatcag aataactcaa tcagaatagg gcatcgcca tacatgcctg 180
atggaaagcc agttattgac tttattccta atctctcaaa tattttgatt gcaactggac 240
acgaaggaag tggacttact ttggcactag gactgctga aatggtcact gatatgattc 300
ttgggaaatc ctgaaaagtg agctactcac cttttttcca tcaaacgcag attttcagga 360
tgatcgntta tccggaaacc ctgcttcagc tcttcaagtg acaaactacc gtcctttgtt 420
ttgtccattg gatggaacat ctctttgaat 450

<210> 21471
<211> 299
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-D9

<400> 21471

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cgggcacggt taatattaat gattgtattc cacatacaaa acccatatta tcaatatcta 120
ttaatatatt taatacttca aatacaaaata aatctcactc aatactatac tataacttatc 180
atcattctat aaacacactt aattacccta cactaatcca cacaactact attactaatt 240
acatacacta acaatattta ccaactagtt aacttcatca cttataaaact tccaatctt 299

<210> 21472

<211> 302

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-E10

<400> 21472

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tgttttaaata ttacagttgg taccataaat cactatcccc tcttcaactcc atcttctact 120
tcgctacaaa cacttatcct tcaactacact ttcattacca ctatctatca ctcaatgctt 180
accacttata ctaccaacc tacatctcaa tatgaaacta atctaattctt ccctacacaa 240
ctcctattta atacctatac actccacaat ctactacatc ctataatcca tatactatac 300
ca 302

<210> 21473

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-E11

<400> 21473

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ttggtaagaa gaccacagctg ttgctaacat gctcattgtt tatgggttatt cacttgtatg 120
tctcgtatat gcaactgcagc ttgcatatatt tattcttgtc agaaaagcta ttttaagcta 180
tcagcttgaa actttttttt taaaaaaaag aaagcttgaa acatgttttg aagcttaaat 240

cataagttca gatcatttaa gtttggattt catgttttgc tagtcatttt taatctgtaa 300
 agttgttcag aaaaactaca acccgaatcc aaaacagata taacttgttt tcaccagata 360
 caactttctc catagttctc ttcaaaaggg caaacatggt atgaaaaa 408

<210> 21474
 <211> 388
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-E12

<400> 21474
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 gggatcgcta cctgccgaca gcgcgacccg acatcatcca cagagacgtg aaggcgagca 120
 acgtgctcct ggacgccgac ttcaggcgcg gtcgccgact tcggcttccc aagctgggtcc 180
 cggacggcgc gacgcacgta ccaccaagta aaggcacgct gggctacctg cgccggatac 240
 gcgatgctcg ggaaggcctc nagagctgna cgtcttctact tcgggtcacg ctgctggagc 300
 tggccagcgg gaggaggccc gtggagaagc tgagccccac cagagcgcg aagcagaccg 360
 tgacggagtg ggcgctcccg ctggccccg 388

<210> 21475
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-E3

<400> 21475
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 ccacgcagcc gctgctctgt ccgggtcctc tggtccgtcc gctccccgat ctcccccaat 120
 ccgacaaac cggcagagcc ggggggcggc gatggcgctg cgacgggcgc tctcagatc 180
 ggcagagatc tctttcgaac gcaaggctgc aattgagtag attcattctt tatcaagggc 240
 acagcctgct cgttctctca atgggtgctgg cctttgtcct gctagtagat cacttagcac 300
 ccaggccgtc actacgtcaa gcacaccaca gccttcgnct gccccaccg cttcagagaa 360

gactcactttt ggtggcctca aagacgagga tcgcattttc accaacctct atggctctgca 420
tgaccctttt ctg 433

<210> 21476
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-E4

<400> 21476

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ggaagaaacc gcatcaccta cacagacacg tgtaccggtc aagatctgaa gaaataccac 180
aacatggatg ccatcaatga cctggtagtg tcaggggtag cgtcaaggag agccaaccac 240
ccaagtggac agaccgatgt aatcgtcttc tgtaacggcg ggttcgagaa tccaggcact 300
gcgaaatcag aaggagagct gctttcccag cttgtggact cgcttgactt gtcgggagcc 360
caatacac 368

<210> 21477
<211> 482
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-E5

<400> 21477

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gtccttttgg gttcaatgag cattacatct attgcagcac cttttgcaga caacttgata 120
tcaaattggag ttgacaccac gaaggtgcga aaaatttgcc aaacaattgc ctttgtgtca 180
cctgcgactt tcatgatgct ttctctgtg gatcttggac tgcttcctg ggaaattggt 240
gcttttctta caagtgggtg agcactctcc agcttcgcat tgtcagggtt ttattgcaca 300
catcaagaca tctctagtga atatgcaagc attctcctgg gaatcacaaa cactgtaggc 360
gcggtgccag gaattgtagg cgttgcactc acatgctttc ttcttgattc aactcattct 420
tggagtatat cactctttgc gccttctatc atcttttact taacttggac tgttgaatgg 480

<210> 21478
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-E7

<400> 21478

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 tgcagaaggc gctctcagac aagcaaacct cgtcagacct gctgcctggt gagatggctg 180
 tgctgcaaga tggagaattc acctgggtca ctgataaggc agcgggtgtcc ttgctgcaga 240
 acaagtagag tcccatggta accttggctc gaagccattt tagctcataa aataaaagat 300
 ccaggggcct gcgtgcatag ctgcattcgt ccttcaggat ttcgtgtaac ggaaactcga 360
 tccctttatg taatgtgtgt tgttcggagt aatgttcaaa aactctattg gcttacggct 420
 tttctg 426

<210> 21479
 <211> 417
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-D12

<400> 21479

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 tggatatctgg tatctctgcc aagtagcagg cggtttaaaa gatggaataa acaccagggt 180
 tttccaggaa accagtgaga agctgaagct ctacattca gctcaacctg aaaacaagcc 240
 agtgaagggg cttgaatttt tttcggaag caccatggaa cagaaagtag ctgactccaa 300
 accaattgcg gtgacagtcg acgctgagaa gcctgagaaa accgctgctg taatgggcac 360
 cacagtgcac aggtctatca gggtctcata tcggaatgca ngccttgctt tgtgatc 417

<210> 21480
 <211> 328
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-B4

<400> 21480

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 gcgatactac ctgttccgcg acccttttgc tctcccaac gggtagactact ggctccttac 180
 cggttactgt gatggccact gctgtgacct ccatcattac ggtagagcat cacatccaga 240
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<210> 21481
 <211> 450
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-B6

<400> 21481

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 tatacaacac agggaagcct gtaaatacgc attgtctttt ctatctgatg tcattgacct 180
 tccaaactca tctgacgggg gacagtaccg taaagttatt aacacaatca tacttcaccg 240
 tggcgcaacc cttactagaa taatgattgc tgccttaaca ggggcgctac catctggtcg 300
 tctggaggag gtttcttatg gtctgcttgc acttagcaga gtctgtggtg agaacatgct 360
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<210> 21482
 <211> 389
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-038-Q1-K1-B8

<400> 21482

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atgcaaaatc ctttagtctc tgggaatttg ttctagctga tttttaggct tccccaaatt 180
gttttgccgg caggcgcggg cgtttcagat tgcttggtca ttcttggtcc ttgcccggga 240
gggtgttcca gaaccattct tgggcttctc tgtgtccgtt tgtgcataag gaagtttttg 300
ttctgtgaga agcttctttt gtaaaacatg cagtgccttc tgatgttgga tggaatggga 360
tgctcgctg ccttccgaag ctgtcttaa 389

<210> 21483
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-B9

<400> 21483

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agcagatttt attcttgggc gctgctttat tgagggtgaa aacagggttca ggggtaacag 120
cttcctgtt attgttgcaa gttcaagtgt ttgccaggag ttgagaagtc tagaagtgga 180
gcttgaggat tcacagggtc ttgatgtttc ttccgatggg cagattcatg actgtaggca 240
gtcaaaaacg aggggttcaag ttctgcactt ccttaatgaa ctccggtggc tctttcagag 300
ggcttctgcc tgtacattgt ccaccagacc tgatgtgtct gatttggatt tgactcagtt 360
ttcaatcaca cgggttcaat atcttttact gttctctagc gagcggttg 409

<210> 21484
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C1

<400> 21484

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agccattgct ttcgctctta ctgcagtgtc cgttttgggt gtttgggtgaa atctgtcgct 120
atcttcgtcg actccagttc gtcgtccatt tcttaaagtt caaaaaggcc tgctttgtcc 180
ccatttttct tccccgtccc aaggtagctg attgcagcag atacgacttc ctctgcttcg 240
gatctccttc aatcgtcac ttcacttcg cgttttcctc ttcgtactca tatggctttg 300
tctgcagcaa tgctttacgg gtcgcg 326

<210> 21485
<211> 390
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C10

<400> 21485

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accatgcaaa acacactgag gccgtttctc tcagaagcag tttctcacct caatatgccg 180
aggcccaactg cgatacctgt cgcagaccca tggtcgtcga agcgtgtcgc ggtggagtct 240
ctgcttcctt ctcggcctca ggtttcatac cagatggaac aattggaccc tgcaccagct 300
agtatacctc atagctctgc gttggcacca cttaccggat gaggggtgctt ggttgaccaa 360
aatgtgaact ctgacctca aaatcatctc 390

<210> 21486
<211> 227
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C11

<400> 21486

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agctggcgcg gccggcgcg cagaaaggag cggtgcccct gttctaccga agggccctca 120
aggacaccct aaattggccc gtcaaccgca acttttttta ccagaaccg tcgaatttcc 180
ggaacaagtt caaggccaac cgacccgtga ataacctgaa cttggtc 227

<210> 21487
 <211> 398
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-038-Q1-K1-C12

<400> 21487

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 ggaggacgcc gctgcacgcc gcgagcgtct ccgcgccctc cgtgccgcca aggacctcct 180
 ctccaccccc gacggcgccc caacccttc caccgacgga gaacaccaaa atggcaacca 240
 tgagatggca gaagagccag aattaccagg tcttcaggat gcacctgggtg aagctggtaa 300
 agaagatggt agccccactg aagaggccga agaggttgaa aatgatgggtg agcttccagc 360
 catgaaattc agaaactacc tttcccatga tgagcaac 398

<210> 21488
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C3

<400> 21488

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 ccgcccgtgc ccgtcgactc gtcgttcttg ccggccgtgc ccacctacg gcctctctc 180
 ctgcacgggg atcgatact ccacatgctg cgcgatgggtg ctgtgggtct tcggctactg 240
 ctccctcatc tggaaccccg gctttgactt ctacgacgaa atcctcggct tcatcaaggg 300
 ctacaagcgc acctttaatc tcgcttgcat tgaccacata ggacacccg agcattctgc 360
 gaggacctgc acgcttgaaa ccgac 385

<210> 21489
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C4

<400> 21489

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cgtcgaatcc gacgccgatt tcttcgagga ggactacgac gaggatggcg aggaggaata 180
ccaagaggag gaggagctgg actggccggc ggctgcggcg gcagaacggg agcgggatgca 240
gtccgcgtta cggaggctgt catccgaccc cgtgggcatc cgcgtccacg acgtgatcat 300
caagggaac accaagacgc atgacgagct catcgaggcg gatgtcg 347

<210> 21490

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-038-Q1-K1-C6

<400> 21490

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tcatgtcagg cttctcgctt ctgatcaacg agtcgagctt gaccggagag agtgagccag 180
ttgccgtcaa cggttgagtac ccattccttt tgtcagggtc gaaggtgcag gacgggttctt 240
gcaaaatgct cgtcacgaca gtcggcatga ggactcagtg ggggaagctg atggccactc 300
tcagcgaagg tggatgatgac gagacaccat tgcangtcaa gctgaatggt gtggtcacca 360
tcatcggtta gataggactt atctttgcag tggtcacatt cgaagtgtc acccaagcct 420
gttcgggtca agatca 436

<210> 21491

<211> 273

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C7

<400> 21491

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gactttctcc tctacgtgct cgacctcccc tactttctca agtagaaatc atcaaagatg 120
cgtatatata tagctccggc cgatcctcct ctctagctgc atgggtatgta agtgggtgtgg 180
tccttgtttc atttcactcc agcgggtgatc agcgccgtgt ataaatgtaa ttcctctgct 240
ttgcacatgg atggattgag atgtaacctg ttc 273

<210> 21492
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C8

<400> 21492

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ggagcctcca aaagctatgc gtggaggaat accaatatgc tttccgcagt tctccaactt 120
tggaatctg gaaccacatg gatttgcaag gaataggaca tggagtgttg atgatgatcc 180
tccgccattt ccagtgccaa cctccaatag cgcttatgtt gacttgatcc tcaaacctac 240
tgaagatgat ttgaagatct ggcctcatag ttttgaatac cgactgaggg ttgcacttag 300
tcctgggtgt gatttgatgc taacttcacg tataagaaac actaatgcag acgggaagcc 360
attctctttc acttttgcac accacacata ct 392

<210> 21493
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-D10

<400> 21493

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cgggtctccc acaccaacgt gtccggcgcc atcccgagat ccctggcgcg gctgcgcggc 120
ctcgactcgg tggacctctc cagcaaccag ctgacgggcg gcatcccgcc gtcgttcgcc 180
gacctgcca gctccggtc gctggacctc gggcacaacc agctgacggg cagcatcccg 240
gcggggctgg tgcaggggca gttccggtcg ctggtcctgt cgtacaacca gctgacgggc 300

ccgatcccg gcgacgacgc ggcgacgag atcaacaccg tggacctctc ccacaacaag 360
ctgacgggcg acccctccca cctgttc 387

<210> 21494
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-B3

<400> 21494

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tggcccgctc cctcccgggc cgagctccct atcgccgat tcgtgctgcg ggatggactc 120
cgacgtggag atgaacgccg ccagcgacga ggaggtgatg gacgatgagg attactacga 180
ctactgtac agcgacgtgg gtgacgacgg ccacggcggg agcgaggagg agctggtgcc 240
cgtggactac gacgagggcc ttgaggccga gggtagcgac gaggtggtgt ccagacgcga 300
gcagacattt gtggttctaa atgaagaagt tatatctgag cgtcaagagg aagatgtaag 360

<210> 21495
<211> 408
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-038-Q1-K1-D11

<400> 21495

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gaaggcgctg gactgggcca tcgacaacct gctccaccac ggggacaccc tcgtcgtcgt 180
ccacgtcctg caccacggcg cggaggagac caagcacacg ctttgggcca agtccggatc 240
ccgtaagctc cccactcaa gctctcgccg catccatccc tacccttacc caaatgctca 300
cccgttgcc gctggtgtct ggttcggtt tgggacggtc ttggctcgtc ggctccatct 360
gattcgctcg atccgtgggt ctgcttgct tcgatccccg cagcgggg 408

<210> 21496
<211> 466

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-H8

<400> 21496

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ggtgcgggct agcgatggcg tcgttctcgg aggctcccc agggaacccg aaggcgggcg   120
agaagatctt caagaccaag tgcgcgcagt gccacacagt cgagaagggc gccggccaca   180
agcaaggtcc aaacttgaat ggtctttttg ggaggcagtc gggtagaccac acaggctact   240
cctattccgc gggaaacaaa aacaaggctg tgatctggga ggagaacact ctgtatgact   300
acctgcttaa ccctaagaag tacattcctg gaaccaagat ggtcttccct gggctgaaga   360
agccgcagga acgtgctgat ctcatcgct acctgaagga agcaactgcg taatataatg   420
acancgcctt gccatgaaga gaaaatcggg ttgcagttta ataata                   466
  
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<210> 21497
 <211> 389
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-038-Q1-K1-A11

<400> 21497

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gtgtgccccat tagataacag tgagtgggag ttccagaaat atggccacta gttcctgggc   180
accctcatgt gatgttgggg cttacttcta gtgactgcta ccactcgagt gtattttttt   240
ctgcaaaca gctccatctt ttactgcttt ggatgcttgc atgtatcaca ggtcaattat   300
cactagtagt acgtccacct gggactgtat ttggattggt cgttgagagg atagtagttc   360
cattttataa atgttatgtg gattttcat                                     389
  
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<210> 21498
 <211> 309
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A12

<400> 21498

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atggcggaca tggggatgga cgcgtaccgc ttttcgattg cctgggtcgag gattctgccc 120
aatggtaccg gccaaagtcaa ccaggccggc gtcgaccact acaacagggtt tatcgatgca 180
ctgctatcga aagggattga gccatacgtg accctgtacc actgggacct cccccaggcc 240
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<210> 21499

<211> 426

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-038-Q1-K1-A2

<400> 21499

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caggctgttc aagagttgaa tggcaagatg ttcgatgata aggaactgta tgttgaaga 120
gcacagaaga agtctgaaag agagatggag ttgaaggaga aatttgaaaa gaatgttcaa 180
gaggtagctg agaagttcca aaacacaaac ttgtatttga agaacttaga ggagaacatt 240
gatgatgaga aattgcgtga actctttgct gagtatggca atattacttc ctgcaagggt 300
atgcgggatt cgaatggtgt cagcagaggt tctggatttg ttgctttcaa atctgctgaa 360
gatgcttacc gagctcttac ggagatgaat ggcaaaggt ttggngcaag cccctttatg 420
tagctc 426

<210> 21500

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A3

<400> 21500

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agcggcgcgcg agatcgccgt aggcaagcgg cgatcactcc agctttgagc ataagtttct 120
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 cccggtcgag ggcattcgct ttgtgatcga tagagaagag tgcttctcgc ataacgtgga 300
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 atta 364

<210> 21501
 <211> 352
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A4

<400> 21501

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 aggagcaccg gtcgggcgcg gaggtgcacg ttgggcacga gctgtgcgag cgcaagtcgc 180
 gcgagttcat ggtggagctg gtcctccccg actggctcct gccgctgacc agcctggacg 240
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<210> 21502
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A5

<400> 21502

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 caggtcgctc cacctcgcg agcagtccag ccacagttgc ctactacagc acctgccaca 180
 tacaatgacc ctggtaccat gcttgctgga ttgctatgag aagtaaccgg aaggaatagt 240
 gttttgatgt acatggcagt tatttaatac gaggatctaa catctccaca agcatcttgc 300

tgccaagacg tacacgtgga gcaaccaaga aagagctggc ggagtgtagt ctccatgagg 360
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catg 424

<210> 21503
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A6

<400> 21503

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ccacgcgcct ggcgtccgcc gtctgcgcag gcgagaagtt cccggcgggg cgtgcgtacg 180
cgtcgtgcga ggacctgccg aagctgggcg cgtcgtgcga ctggacgtac gacgcgtcca 240
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ggggcctgaa c 311

<210> 21504
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A7

<400> 21504

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<210> 21505
<211> 269

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A8

<400> 21505

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ctggtgaacc tctggttgat gattggagct gcctcaagta catagtctgc acttttgagg 180
cgcgatgcgg gtccttggcg cactatggga tgaagcacat gcgatccttc gcgaacatgt 240
gcaacgctgg catccttcct gaagcagtg 269

<210> 21506
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-A9

<400> 21506

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tgatccactt gagcatcctg aaaccgaggc ctactggggc aatgttaacc caactggagt 120
caggagttgt tatgatgagg gtaagcgtgt agcagagacg ctgatgttcg actatcacag 180
gcagcatggc attgaaatcc gaattgccag gattttcaac acctatgggc caaggatgaa 240
cattgacgat ggccgtgttg ttagcaactt cattgctcag gctgtgcgtg gcgaaccctt 300
tactgtccag aagccaagaa cacagactag gagcttttgc tatgtcgccg atatggttga 360
tggtcttatt aggctgatga acggaacaa cactggaccg attaacctt 409

<210> 21507
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-B1

<400> 21507

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cttgaaaact tgcgtgtcca agaaagagtc tgagaaagac agccttgccct ctcaggttct 180
gaagctgaga agatccgttg aaacccggga aaggggcgaag gcaaatggtc aaatttcaga 240
tgtgaaggac aatcagcatg ctaataacaa gcgcaccaag cacaataccg gctccactgg 300
gagcattgct gcgctgccag gcaccaacag acaaggcgaa aacggtgact gcaatgggtcc 360
tgacatgagg aactccactg ac 382

<210> 21508
<211> 402
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-038-Q1-K1-B10

<400> 21508
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aaagaaagtt tagatgagat catcaaggaa gctgagagcg acttggagtc tgaggaagtc 180
ctggatcaat cccttgccat tgttgccaag aatgaaggtt tggacaagga cacaactaca 240
aaactcaciaa ttacactgt aggtggtggt ttgaagaatc tgacagaggg ccccttgagt 300
gttatggata agcacatata tgcaagacac actgtcaaac catttcccag cctgattgaa 360
gctggaaaag acttgggtgnt tcatcatctc aaatatattt gc 402

<210> 21509
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-B11

<400> 21509
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ccggaggcgg cgaccactcc cagacgaacg gaggccacgt cgaccagagg gccttggagg 180
agggcaggaa ggaggagtgc gctgaccagg gctgcgccgc catggtcgtc tccgtcccat 240

ttatccagaa gatcatcgcg gagatcttcg gcacctactt cctgatgttc gcgggggtgcg 300
 gcgcggtgac gatcaacgcg agcaagaacg ggcagatcac gttcccgggc gtggcgatcg 360
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<210> 21510
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-B12

<400> 21510

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 catcaaacat tggtcagctg ttaaaccaaa gactggggtc ccatatacaa ttgacattgg 180
 atatgaacgc tttcttgggc cagagatctt cttcaatcct gagatttact ctgccgattt 240
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 gagagctctg tacaagaata tagtattatc tgggtgatct accatgttta aagacttcca 360
 caagagactc caaactgata taaagaagat agtggatgac cgtgttggcc 410

<210> 21511
 <211> 477
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-H7

<400> 21511

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 cctcccgag ccggcgcgca gatggcaccc aaggcggaga agaagccggt ggccaagaag 120
 cccgcggagg aggagcccgc gacagagaag gtggagaagg ctccggcggg gaagaagccc 180
 aaggccgaga agcgctccc ggcgggcaag tccaaggagg gcggcgaggg caagaagggg 240
 aaaaagaagg cgaagaagtc cgtggagacc tacaagatct acatcttcaa ggtgctgaag 300
 caggtgcacc ccgacatcgg catctcgtcc aaggccatgt ccatcatgaa ctcttcatc 360
 aacgacatct tcgagaagct cgcgccgag tccgccaagc tggcgcgcta caacaagaag 420

cccaccatca ccttccgcga gatccagacc tcggtgcgcc tcgtncctccc cgcgagc 477

<210> 21512

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-G1

<400> 21512

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ggagctggtg gtggagggtca agtccccggc tgacaagctg tgggcggcgc tgcgtgactc 120

gacggagctg ttccccaaaga tcttccccga gcagtacaag agcatcgaga ccgtcgaggg 180

cgacggcaag tcggccggca ccgtccgcct cctcaagtac accgagggcg tgccgatgct 240

gacgttcgcc aaggagaagc ttgagacggc ggacgacgag aacaagggtg tgctgtacag 300

cgtggtggac ggcgagctgg cggacttcta ccagaacttc aagatcacgc tg 352

<210> 21513

<211> 277

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-037-Q1-K1-G10

<400> 21513

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tggccatgga aggagaatca ggcgccccgg atcgccgcc agcctccatg gaaagggagt 120

cctctcgatc tgtgtccgcg ctgtccatgg aagaaacctt gctgtcagcg cgtctccact 180

tggtgagtga tctttgggta gtcttgctat gaacaacaat tccgtggtgc tggtggacct 240

gtggaagggc ttgcggtcac taaagtgtan gtggatg 277

<210> 21514

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-G11

<400> 21514

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ggccgtcctc cttgagacgt tgggtccccg agtgctctcg gtgagctact ttgtttcgat 120
ttatcaggaa atccgtttgc ttcattgttg gcaggctcat atctgattgc tggattcggc 180
aaacccgcgt tggatcctgt atcggttagt ccttgccctgc aaggttcttg ttgttttggt 240
ttggtggctg agcatcgcat gttctgcttc tggatccaga tctggagaaa tcgcgaagtc 300
gtcgtcgctc ggttcggagc ggatctgagg cgacgataga tggaagcggc gggatctctc 360
ggtctgcagt cctgctccac ctcatggat gatgtctctg cgctgataat tattggatca 420

<210> 21515

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-G12

<400> 21515

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cgtggttccg tgggcacagc gcgagggggc cgtcgccttc ttcgacgacc ggcctcagca 120
ggaggccgcc cagcgtggcc tggggagccg gcgcaaggcc gtgcaggccg taaagtggct 180
gccgtacgcc accaaattcc gctatgcctt cgccaggagc atggctcgaca agccacactg 240
ctagctgctt cgctctgcac tctctgcac gcagctgttg ccgtctggcc ccgtttccgc 300
tgataaaga catctgatcg ctgtggcgca gccattctga tggctatatg taaatgtctc 360
gttgatgc 368

<210> 21516

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-G3

<400> 21516

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tcggctgggg gaccatctgg ggcagggtcg acaccactg atacgacttg ccccggtgtg 120

agcgcaacat gcggctccct ggcccttatca caaccctaaa aatgtgcagc actatacggg 180
gccactttac ccaccatcgg gggcctatac atcggatttt accagttcgt acaaagccag 240
cccaaaaagc gtcactttaa aaagggaccc ctgtgcgctt tttttcccaa 290

<210> 21517
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-G5

<400> 21517

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gggtccacgc tgccgcggcg aggtctcccg ctacgtttta ttgtgtggtc ggcggcgagg 120
cacgcggcgg ccatgggatc ccaccgcgac ggcggtgtag aatgatagca gctgtaatac 180
actactctgt actgtgatgt gcaagtagat agtactagtt actagttagc cagtgtgaagg 240
ttcctccgtg taacaagtca tcagcgtgtg atcctcttcg tctgttcac c aatatacaca 300
tttct 305

<210> 21518
<211> 370
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-G6

<400> 21518

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tcctacacag gcttggcccg caaggcagtg aacgtgccgt cgtctctctt cggcgaggcc 120
cgcgtgacga tgcgcaagac ggcggcgaag gcaaagccgg cggcgagctc cggcagcccg 180
tggtacggcc ccgaccgct gctctacctg ggcccgtgt cggcgcgccc cccgagctac 240
ctgacggggc agttcccgcc cgactacggc tgggacaccg cggggctgtc ggcggaaccg 300
gagacgttcg ccaagaaccc ggagcctgag gtcacccact cncgctgggc catgctgggc 360
gcgttgggct 370

<210> 21519
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-G7

<400> 21519

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tcctggccgt cggggcggtc tcagactcgt ggctgtacga gaagttcacg acggagggca 120
acgtgcgcgc ggactacaac ggcaggggc agcaggtgac gtctctgata ctgacgcagc 180
agtccggcgg cgccttcagc tcgcggcaga agtacctgta cggggagtgc agcatccaga 240
tgaggctgat cccgggcaac tccgcgggca ccgtgacctc cttctacctg tcgtcggggc 300
acggggcccg gcacgacgag atcgacatgg agttcatggg caacgccagc gggcagcccg 360
tggtgctgaa caccaacgtg tgggcccaac gcgacggcaa gaatgagcac cagttcta 418

<210> 21520
<211> 391
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-G8

<400> 21520

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gccggagatc ctggccagga acggcgtcaa gtccggcgag gcggtgtggt tcaaggcccg 120
cgcgcagatc ttctcgagg gcgggctgga ctacctgggg aacccaacc tggcgcacgc 180
acagagcatc ctggccatct gggcgtgcca ggtggtgctc atgggcttcg tcgagggcta 240
ccgcgtcggc ggcggcccg tcggggaagg gctcgacaag gtgtaccccg gcggcgcctt 300
cgaccgcgtg ggcctcgccg acgaccgga caccgncgnc gagctcaagg tgaaggagct 360
caagaaacgg cgctttgcca tgttctccat g 391

<210> 21521
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-G9

<400> 21521

aggttctgga ggactatcac gaagaacatc cagaagttac tgctcttgac ccaccaaag 60
cggctcgagca tctgaacaat cgacagtcaa tgcttgaaga agtagctgat ttgaacctgt 120
caaatttcta tggagaagtt tgtatccac gccagctggt cattacgaaa gatccatcct 180
ctataccaac ttctgtagct atggctggac taactttgcc cttggttgcc aagccattgg 240
ttgttgatgg gacgtctaaa ggtcatgaac tatactctgc atatgacgag gcacccctgt 300
caatgcttga tccgcctctg gttctacagg aattcataaa ccatggcggg atcctcttta 360
aagtgtatat cattggtgaa acaatacaag ttgtccgcaa gttctctttt 410

<210> 21522

<211> 86

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-H11

<400> 21522

cgggtgaaaa aaaaaaata aaacaaaaaa attaaaaaaa aaaaaaaaaa aaaaaaaaca 60
aatgaaaaa ttaacaaact atttac 86

<210> 21523

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-H12

<400> 21523

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ggggtgtttg acgtggagct gatgaagcac cagaacatcg aggaggagct ggtacagatg 120
ctgcagatag ccatggtgtg cactgccaag tcgccagacc ggcgcccagac gatggaggag 180
gtgatcagga tgattgaggg gctccgccag tccacctcgg agagccgcgc gtcttctgat 240
gagaaatcca aggagtcgaa ccctccatcg gtgtaaatcc tgcgcagctc ccttcgtccg 300
cttgatcggg tgttggtgcc agttgcacct catttgattt gtttagctaatt ttatttatga 360

ttgagttttct tgtaaaccgt ggtagcatc tgctgcattt ag

402

<210> 21524
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-H3

<400> 21524

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aggatgatga gcttgactat gggcctcggc gaacgccagg tctactgacgc ttcgaggatc 120
aattggaagc tgaagcacta tctgataagc gtatcatcaa cgcggaagacg ccaaatatga 180
gctgtaatgt tccccgtaga ccaccagacc ctactgctcg tatgccgaga cgttaagctg 240
atgaatactc acgatagcga tagggcggag tcatagctat caaactgact gcgctgatct 300
tgaacattca ccgtctcgtg cgaagcaaga tgagctggac taggagcaag agatctatga 360
acaatgtgag gaagaagctc ctatctcaga tgaacaaatg c 401

<210> 21525
<211> 361
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-H4

<400> 21525

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gcaatccgcc gctgaggagg gaggatcgga agcgacgatg aggtcgtttg ctctgtctt 120
tctgtcggcg gtcgtggcct gcttggacct gccggcacc gccagggcg gaacttctac 180
caggacacag agatgacctg gggcgatggc cgcggaagag tagtggacgg cgggcgcggg 240
ctggacctga cgctggacct cacgttcggc tccgggttcc agtccaagag cgagtacctg 300
ttctgcaaga tcgacatgca catcaagctg gtgccaggca acttcgtggc acggtcacca 360
c 361

<210> 21526
<211> 311
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-037-Q1-K1-H5

<400> 21526

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agtccctccg cccgtcgccg gctgcccctc gctgccgggg ccgttgaggc gcaagaagag 120
tggcatccgc tcccgtcttc cacggccgac ctttcccttc cgtcacctt tcccaccggc 180
cagaccttc tttggcgccg caccttcttc tccccgtcc gtttcaccgg tgccgtgggg 240
tcccacctcg tctccctctt ccacctgcc gactccgacg atggccgnct cgcattcctn 300
ctncacaacg a 311

<210> 21527

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-H6

<400> 21527

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tttaatccac gggagcatcc tcaaaccgat gcctactgtg gcaatgttaa cccaattgga 120
gtcacgagtt tttatgatga aggtaaactt ctatcatata ctcttatgtt cgactatcac 180
aggcatcatg gcatttaa at cctcattgcc aggattttca acacctattg tccaaggatg 240
aacat 245

<210> 21528

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F9

<400> 21528

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gacgacaacg acgacccggc gcagctgatt gcggcgggcg cggtgctgc tcagaaagcc 120
gaggcgaaga agtccgccgt ggcgctgct gggaaggctg ccagcctgc ggcgaccacc 180

aagttcccga ccaagcccgc tctccctcg cagacgggttc gggatgcacg cggcgggtggc 240
tcatcagctc gtggaggctt tggcgtggt gaacgtggcc gtggcagaag tggacgggga 300

<210> 21529
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-E5

<400> 21529

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cgacggcgggt ccatcccgta acgcgagacc attagggagt gcatttcgat ccacatcggc 120
caagccggta tccaggtcgg aaacgcgtgc tgggagctgt actgccttga gcatggcatt 180
caagctgacg gtcagatgcc cggtgacaag accattgacg gaggtgatga tgcttttaac 240
acctttctca gtgagactgg tgctgggaag cacgtgcccc gtgctgtttt tgctgacctt 300
gaaccactg tcatcgatga tgtgagaact ggcacctacc gncagctctt ccacctgag 360
cagctcatca atgcaagga gga 383

<210> 21530
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-E6

<400> 21530

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aacacatgct gggttactac atatgggcgg ccggtaaacg caactcttct tctatggaca 120
catcttacca ccaccttta ctacttcggc ttccatgaa gaggttgctc ttatgcacct 180
tccgatacaa tcattctctc attcttttgt agatttcacg tttgagctgc tgattctcac 240
atccctactc tacctccatg ctctcgatt ctcttatact gctcctgctc ttaccatctt 300
ttcacatttt taagttgtag atccactaca tgatgctact aaatatagac tcttatcata 360
ttctatctat 370

<210> 21531
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-E7

<400> 21531

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 gcgtacaaga tggcgacgga ggggatgaac gtgaaggagg agtgccagcg ctgttcatgg 180
 agatgaagtg gaagaagggtg caccgcttcg tgggtgtacaa gatcgacgag cggtcgcgcg 240
 ccgtgctggt ggacaagggtg ggcggccccc gggaagggtg caacgagctc gtggccgcg 300
 tgcccggcga cgactgccgc tacgccgtct tcgacttcga ctctgtcact gttgacaact 360
 gccagaagag caagatcttc ttcacgcct ggtcaccggc ggcgtcgagg atcaaggcca 420
 agatcctgta cgcgacatcg aagcaaggcc tgcggcg 457

<210> 21532
 <211> 315
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-E8

<400> 21532

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 ttttcatcat tctggataact aaaaaagggt agcgtaagac caacactagg ctggacagta 120
 aagctgacct tcattttaca tccatcatga ctcaagcttt caactacatt tttctcacat 180
 caactgaact ttcttaactc ctctctcttc ttaaaaaactc attattttga ttctgtcgc 240
 aaggactagc ttcatacatt atatgcttct tgtcgccact atccgatgac tacaatataa 300
 ttctgttcac tttct 315

<210> 21533
 <211> 369
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-E9

<400> 21533

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agatctttcc ttgtttggtc attccngtac gaaggggagg ggtccaagtg aagagaagag 120
aaggcctgcg agcgatgggc atcgctgacg tcgtctccga gttctgctcc ttgccgagga 180
ctcgccggca tctcaagaag aggaagcagt tccagacggg ggagatgaag gtgcgcatcg 240
actgcaagg gtgcgagcgc aaggtgaaga aggcggtgga gggcatgaaa ggcgtgagct 300
ccgtggaggt ggcggccaag cagaacaagg tgacggtcac gggctacgtg gacgccacca 360
aggtcatgc 369

<210> 21534
<211> 466
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-F1

<400> 21534

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ggaagggag gcaagatgta caccgcgagg aagaagatcc agaaggagaa gggctcttgag 120
cccttcgagt tcgaggactc cgttgcccag gctttctttg atctggagaa cggaaccag 180
gagctcaaga gcgacctcaa ggacctgtac atcaacaatg ctatccagat ggatgttacc 240
gggagtagga aggctgttgt cattcacgtc ccataccgcc tgcgcaaggc cttcaggaag 300
atccatgtca gactcgtcag ggagctggag aagaaattca gcggcaagga tgtggttaatt 360
gttgctacac ggaagattgt gaggccaccc aagaagggtt cagctgttct gcgccctcgc 420
accangactc tgactgctgt tcacgatggc atcnttgagg atgttg 466

<210> 21535
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F10

<400> 21535

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gggcatgcc a tgaggacctg gctgtagtcg agtagttctc tgatatgcgt caccctcttg 120
actgttgctg gtagatagct tcctgcgtgg gtgcgtctgt aaaggtgccg attgtgcttt 180
cgattttctca gaattttggg gatcagaaca acccttcgta actctttgcc ctgttgatcc 240
aaactagggt agatggcaaa attgctgaaa ttttcttgta gctgttgaca tgtatgggtt 300
cgttcgtatg gatgtgaaaa tgggtacctca gttttggagt ttc 343

<210> 21536

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F11

<400> 21536

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attcgaggta ctggtctgac aacgatgagg ttcccaggat tgaggcgtag ggccgtgtgt 180
tcaagacatg gtctgattgg ctcaatgaca acatcgatcc tgcccgaacg tccatcttct 240
tcatgacgat ttctctctct cacctcagcc cacagaattg gggaaaccgc gacgggtatca 300
aatgggtgtag aaagacgctt ccatatcaga actaccggcc acacttggat ctttaacatg 360
acatgcggct gtattactta atgggtcaatg t 391

<210> 21537

<211> 384

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-037-Q1-K1-F12

<400> 21537

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tcgctcctcc tctcccagg cgcagctggc cgcggcgccg gcggtcctgg cagcggcgct 120

gctgctgctg gcggcggggg ccgggacggc gtcggcgggc gtgagctgcg gcgaggtgac 180
 gtcgtcgggtg gcgccgtgcc tcgggtacgc gatgggcagc gcggcgctgc cctccgcggc 240
 gtgctgcagc ggggtgcgct cgctcaacag ccgcgcgtcg tcggcgggcg accggcaggc 300
 cacctgcaac tgctcaaga gcatgacggg ccggcttcgc gggggcgta gcatggccaa 360
 cgccgncaac atccccggca agtg 384

<210> 21538
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F2

<400> 21538

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 ggatagcgtg agttctccgc tattcttgag agtgaagttg accttgattt tgcacccgtc 120
 atgggttcagg ctttgaattt gattttgctc acatcaactg aacttggtga gctccgctct 180
 cttcttaaga agtcgttagt ggattcctgt ggcaaggact tgtttcagtc attatatgct 240
 tcgtggcgcc actctccgat ggctacaata agtttgtgtt tacttgctca ggcatcacgt 300
 catgcgagct gtgttattca gtcgctggga gaagaagaca taaatgtgaa atttttgggt 360
 cagttagata aattgatccg tctcttagag acttcaatat ttgcttactt gcgtttgag 420
 cttcttgagc cctggaagca cacctggctt cttgaaact 459

<210> 21539
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F3

<400> 21539

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 cttccgtggt tatggcaggc gtaatggtga gcgcaggagg aagtctgtcc gtggttgcag 120
 cgtgagccaa gacctatctg ttatcaactt ggtgattgtg aagaagggtg agaagatct 180
 gcctggtctg actgacactg agaagccaag gatgaggggt cccaagagg cctccaagat 240

cagaaagctg ttcaacctta acaaggatga tgatgtacgc aagtacgtga acacataccg 300
caggacattc actaccaaga acggcaagaa ggtcagcaag gcacctaaga tccaacggct 360
tgtgacaccc ttgacccttc agaggaagcg tgctagaatc gctgacaaga agaagaggat 420
aactaagaag aagtctgagg ctgctgagta ccagaagct 459

<210> 21540
<211> 378
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-F4

<400> 21540

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gggcagaagc agaagcggcg ggagctgcag ctgagccaga tgcgccggga catcgccaag 120
ctcctagagg ccggccagga ggccactgcc cggatcaggg tggagcacat catccgggag 180
gagaacatga tggccgcgca ggagatcctc gagctcttct gcgagctcat cgcgggttcgc 240
ctgcccata tgcaggccca aaaggagtgt cctattgata tcaaagaagc aatatcaagt 300
gtctggtttg ccgctccaag atgtgcagat ctacctgaac tgatgcangt tcaaatgatg 360
tttgcaacta aatatggg 378

<210> 21541
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F5

<400> 21541

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gggggaatgt aatgcaagat gtgcacggcg aggaagaaga tccataatga gaagggtctt 120
gagccctccg agttcgagga ctccgttgcc caggctttct ttgatctgga taactggaac 180
caggagctca agagcgacct caaggacctg tacatcaaca atgctatcca tatggatgtt 240
accggcagta ggaaggctgt tgctattcac gttccatacc gtctgcgcaa ggccttcattg 300
aagatccatg tcagactcgt caaggagctg gagaaaaaat tcatcgcaa ggatgtggta 360

attgttgcta ca

372

<210> 21542
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F6

<400> 21542

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ggctcgactg atcaagctag gaacgagatg cgccaggcct gttttgatta cttgagcctc 120
ggaagcgtct tctcgaatgg gcctattgcc ttactctcgg gtcttaatcc tcggccactg 180
agtttagttg cacacttctt tgctgtcgct atctacggtg tcggctcgcta gatgctccct 240
cttgcttcac ctaaacggat gtggattgga gccaggctga tgtctagtgc atgcggcatc 300
atacttgcta tcatcaaagc ttaaggcgtg ag 332

<210> 21543
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F7

<400> 21543

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cgatgtgcca ctacgatggc gactgctaag gcagctttta gatacgattg atgatgaaca 120
accggctgat gctctgctag ctattcgtac ttgaggatgat ccaaaatgtt cgagcgacaa 180
ctccaatgct gcatcatatg acaagctatg tcaaggcgta caagcgtgaa gaaccgatct 240
gcatcttggg catgaagtta cctacacact acatacgaag aaagctcact gagtccagac 300
tgatatacta ct 312

<210> 21544
<211> 284
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-F8

<400> 21544
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ataggaaaga agtagatcat gcacccacta gtgatcactt cgtctagtgt cctccgcttc 120
aatgctgctcg tcgctgctgt gtaccttacg tgacatgctg tagcacgtac gctagcagag 180
cagcacctca atgtccttgg gtttgctttg ctggctctct gttttcgtct tgtgttgctt 240
ttaatctggc acagggtttct aaattaagaa agaacaattg atat 284

<210> 21545
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-E4

<400> 21545
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gggtggtgga cgacgggtcg gcagcccgta agcgcagctc ttctgcgatg gacacagctg 120
acgacgaccc gttacgacgg tgggtttgca ggaggagggt gctcttcttg accttgatg 180
gcgatgattc tttcattctt ttgtcgggtg cccgtttgag ctgctgattc tgacagccct 240
ggtcggcgct catggctcgg gattctctta tgctgctgct gctgctacca cctgttgata 300
tttttaggtg gtagatccag tacatgaggc tactaagtag ggctccggat catatgggat 360
ctatccttgt gctttgcgtc aaacttcttt gacctagaaa attttaaact tgggtggggt 420
cggttggtag gctgtgtttg tctataaaaa atga 454

<210> 21546
<211> 264
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C7

<400> 21546
caccatcatc ggtaagatat gacttatctt tgcagtggtc acattcgcag tgctcaggca 60
gacctaatac cagggcagga tcattaatta tacctacttt agctgtactt tagattacac 120
attgtaacta cttgagttct tctccattgc tgtcaccatc gtctttttgt cagtaccta 180

aaggctaccg cttgccttga cacttatcct tgcattttca atgaataaca ttatgaacta 240
 caaagcactc ttctgcacc ttcc 264

<210> 21547
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C9

<400> 21547

ctgaattccc ggggaagaac atgatacttc tggggggaaa tcaaaaggac aaggaaccgg 60
 aaatgttctc attgttactc ttgttgatgc ggagacagaa agtagcataa acgctaccat 120
 gcttgaggaa gggcttgccc ggctcgaaag aagcaagaga tgggacacta gggagaggaa 180
 gacggctctc cagaacctgg aacagttcca ggacaaggca aagaaggaaa ggctgcggat 240
 ttggcagtag ggagatgttg aatcggacga ggacgagcag gccccgcctg caaggaagcc 300
 tggaggtcgt cggtagagac tgggcagtgt aaggctgcag tctggcatgc tatgaaagtt 360
 ttggacaacc acaaatgttg gactctgccg ggagttatag atgaagactt actgaagggt 420
 accgtattta ta 432

<210> 21548
 <211> 361
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-D10

<400> 21548

ggttattctt gttggtggct caactagaat accagctggt caggagcttg tcaagaaaat 60
 gagaggaaag gacccaatg tgacagtcaa ccctgatgag gttgttgacac ttggagcagc 120
 tgtgcaggct ggagttctgt ctggcgatgt tagcgacatt gtacttcttg atgtgacccc 180
 cttgtcccta gggttggaga cactgggtgg tgtcatgacc aagattatcc cacggaatac 240
 aaccttgctt acctcaaagt cggaagtttt ctcaacagca gctgatggcc agactagtgt 300
 ggagatcaat gttctccaaa gagaaagaaa agttgtgaga gacaacaagt ctattggtag 360
 c 361

<210> 21549
 <211> 283
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-037-Q1-K1-D11

 <400> 21549

 cttccacgag gagaacccga gctgctccta ataataatga ccaattgttg gcaatgagca 60
 cggtcacttc tgagggttgat gatgagattg ttgatgtaaa gcccatagta tcaatgtctg 120
 gtgaaaggat ggatacttta aatttaaagg aatcttactt aaagggttgac catattatta 180
 tgggaaggttt taagaacttt gattaaccta caagggtcca caaaacttat tatggttatt 240
 accttaaaga accatattgg gcaacttatg aatttgatca ctt 283

<210> 21550
 <211> 400
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-D2

 <400> 21550

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 ggcggggggg gccgggacgg cgtcggcggc agtgagctgc ggcgaggatga cgtcgtcggc 120
 ggcgccgtgc ctcggttacg cgatgggcag cgcggcgtcg ccctccgcgg cgtgctgcag 180
 cggggtgcgc tcgctcaaca gccgcgcgtc gtcggcggcg gaccggcagg ccacctgcaa 240
 ctgcctcaag agcatgacgg gccggctcgg cggcggcgtc agcatggcca acgccgncaa 300
 catccccggc aagtgcggcg tctccgtcag cgtgcccatc agccccaacg tcgactggcc 360
 caacgatcaa ctgatcgatg gaaccatagt ggaggagact 400

<210> 21551
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-D3

<400> 21551

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cggctcccgc accggtcgc gtttctccgg cccaagtcc aagcgtcgcc ccgaccccg 120

ctccgacaga agctcccacc ccgtcgccca cagaggcccc gaccccgctc cccacgctgg 180

cgcctacact cgcgccgttg agctcgggtg cggtagagccc gtcgctggcg ccggggcccg 240

cgcctcgtca ggaggacgag tcggcggcgc caagctcgcg cactggcgctc gtcgcggccc 300

tggtggccgc cgggctcgtc gtcggcttgt tntaagaagt agagctcgcg cgtttattac 360

cgtatacgt ccgtaccgtt cctcgacagg gtctctngtt ctctgttgg tgttctcatg 420

gattgatgca cgcacgaacc attcttgctg tacaacaca 459

<210> 21552

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-D5

<400> 21552

acaagacgag cgactactgc cgacattgac acctgacttc acgctactac cagctatcgc 60

ggcgtgtgtg accatacaga gcccctatgcc gacacgatca gcgacgacaa ccgcatatac 120

cgcaaagact aactacgttg acgcactgcc tggcactctg cagaatgcta ctagacgaat 180

aatcgcccat ggctgaacca tagatacaca tggagcatgc agctggactg tacatgcact 240

gaaatcaaat gcaacaacac tatcgcccac aggaccatgg tgaaactctt gcacggaggg 300

ttcagcatca cgacttgtaa ctgcatggca cacca 335

<210> 21553

<211> 200

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-D7

<400> 21553

taccataacg ttagctcact actaacttca tattcatcaa catcatacat acatctatct 60

agctagacac acgtgatagg ctctccactc acttcatcat ttctttcaac ctccacatca 120

ctttccccgt cacaatacca tttactgagc tcttgattct tctaacacct tgttcatcca 180
cactagtcct aataaacacc 200

<210> 21554
<211> 353
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-D8

<400> 21554

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agccannag gctgggaagg atcagggatc catccaccgt tctgtcttct caggtcgaca 120
ggaggccaga ccagggtgcg gcgtccgtgt cggcgatgag cgcgggcggg agccggggcg 180
ggcagaacgc gatgcgctca ggggtggtgg tgctgggccc cgtggccttc ggctacctct 240
ccttcgcgt cggcttcaag ccctacctcg accagggtca ggaggccatc gactccgccc 300
gcgaccccca ccctgaccnc gccaccaccg ncgcgaggga cgctnccgac gat 353

<210> 21555
<211> 278
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-D9

<400> 21555

aactaatata ccttctctac cacaatctc tcaaagacac tctcaactaa tccctccacc 60
gacacctctt ctaccaatac tcttaatatc ttcaacacaa aatcaaattc aacctacaca 120
tctataacct tcaccttata tatatactca tctacaatac tcaacctcaa tacattaact 180
tccacaaccc acatccctac attattccat tatcaccaaa actacactaa attcacaata 240
aatccccctt cacctaaaat tatccaaatc attttcaa 278

<210> 21556
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-E1

<400> 21556

ccccaaatct ctccttcctc acacacgcga agctgagaga ccaaagaaga agaagaagga 60
gggagcaagc agaaagttag ctagctgcta gcgtggaagt gccaaggcg agagagagag 120
gcaagctagc taggacggcc gcgacaggct agccagccag ctggtagctc ctgcggacga 180
ggcgatggct ggcgccgacg tcgacgtcgg gacggagctc cggctcggcc tgccgggagg 240
aggcgccgcy gcggccaaga aggacaccat cgacctcaag ctgaagctgc ccaccgccgg 300
cattgaagga ggcgctgccg ccgccaggcc ggagccggga gccgaga 347

<210> 21557

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-037-Q1-K1-E11

<400> 21557

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agggtngggg atcttcact tgaagtgcgc caaggatgat gcgatccaga acaccttggg 120
ttgttgtcac accagttctg taagcagcac ctttgcttac ccctgttgac ttgcgcatct 180
ttcgtgcgga ggaatggta cacaacaga gccagccatc agcagtaggt tagcttgtgt 240
agagagggag agagagagag aggcctcgac acttgcttct agaaaatcct tcttggaat 300
taattatgtg ttaccaatga cttgcaactg gagcccgctg ggatatatat atgtaagaac 360
ttcacgctgt tgtactacta aactatgagc tatccatggg gtgtc 405

<210> 21558

<211> 356

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-037-Q1-K1-E12

<400> 21558

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gctccacact aggctatgcg ttcttggggg gtcttacctt catgggtaaa aacgagatgc 120
 ccgttatctt tccgtattct gcgtcgctta agaaactgga cctgcagtag actttcctca 180
 ccactgaaga tcaactgtcag cttatcgcta aatgccccaa cctaattggtt ctcgaggtga 240
 ggaatgtgat tggggataga ggactggaag ttgttgccga tacatgcaag aagctacgaa 300
 ggctgagaat cgagaagggg gacgatgacc ccggccaaga agagcangga ggagtc 356

<210> 21559
 <211> 365
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-E2

<400> 21559
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 tgctcgtcct ctccatctcg gcggttggtc cacctcacac gccatctcgt ctctcttct 120
 tccggcgagc tttctcagt cggcgcccc gccaccgccc cctcagatgc cgaccccggtg 180
 aaaagccac gctccaccgn ctccagggtt cagcgccgcg tgctgggtctg cctcttcgag 240
 gaccctagca gtgggccacg ggtcctgctt acaaagcgcg cttncnctc ctctnccac 300
 tccggggagg tgctcgtacc cggagggaag gtggacgatg gagacgcaga tccgaaggcc 360
 acagc 365

<210> 21560
 <211> 372
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-C6

<400> 21560
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 ccgccaccac gagcgcgctc accgacgacg tgctcgcatt ggtgggtcttc aagatggaca 180
 tctcggaccc gtcggggcgc ctcgcgacgt ggaccgagga cgatgatcgt ccctgctcct 240

ggccggccgt tggctgcgac ggcgcacgg gccgcgtcac ctcgtctct ctccccggcg 300
 cgtcgtctc gggccgcttg ccgcacgcgc tgctccgnet cgacgcgctc ctctccctcg 360
 cactccccgc ga 372

<210> 21561
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B2

<400> 21561

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 cagtttatca tatattgaat agggagagtc ctattatatt tacactgcaa ctagtttgga 120
 ccgtatgcta tcgatatagt atatattatc tttccgattc ctctgatgct agcataccat 180
 atcatagtat gtcacgacac gtgatgaaca agagcagact aaatgagcaa aatgatattt 240
 tgcctgtatc aatatatatt gcacgagata aaaataatac aagggttaca ccatgattta 300
 tatcttgagc cttactccga ccctacgctt ctaaataaat atttaccttt gaatgaattt 360
 cacgaaaacc cat 373

<210> 21562
 <211> 353
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B3

<400> 21562

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 tgactaatta ggaaagctag tggaagacaa ccttaccga aaggagcact tgcagtacag 180
 gaacatgcgt atatagaggt tctcgggtca atcatgtaac gctggcttta tggagagttt 240
 tctcatttcc aaagacatgt ttcccataat gaatatattt gtcataaaa gatcaaatgc 300
 aaacaacact aggtaaatca agagcattca catatggacc tatacattga tag 353

<210> 21563

<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-B4

<400> 21563

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cgattcatcg acgcggccca cttctctgtc cccgcggggc agtacgcggt ggagctggtg 180
gccggggcgg agagcgccat cgcgcaggtc atccgcaccg tgcccaaccg cgcctacaac 240
ctgtcgttcg ccgtcggcga cgcgccgaac ggctgccacg gctctatgct tgtggaggcg 300
ttcgcgggca acgtcacgca gaagggtgcc ttcgattccg ccgggaaagg tgggttcaag 360
acggcggcgt tcaggttcgt ggcccgcggc gttcggaccc gntcacctt ctacagctcc 420
tactaccaca c 431

<210> 21564
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B5

<400> 21564

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gcttacacga tcaagagcga cgatcagcac tctcttctca tcctacttct gcaggccctc 120
cagctctatt catctcttcc caaacgacct tcatccccta acaaccactg ctgctgccga 180
caatgcccc a cctgctacag cgtctgtacc tgctactacc tcctcaccat gtgcaccgcc 240
ccctgcacta actgcgtccc tgtctccacg tacaaaggcg ctaccaagta cacatatcca 300
aacttcctta cccaactcta gccctgcccc atccactcca gactcatcct atcaaccatg 360
tccacattct atcgaccctt cttccatag catgctctcc taacttcato c 411

<210> 21565
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B6

<400> 21565

atcgctccgt ctatatggcg actctaacca tgcagccgat cggccccacc cctgctccgg 60
gggcgcagca agacccgagc aaggagaga atcctcctac cgtggatggg agcgatctgg 120
gtgacatcga ctccggctgg gttatcctca agaactcgga tgcggtttcc gcggatttgg 180
cagccgccgc cgtctgtggc ggtcagcgtc taggctcttc tacgattcct agctgggcac 240
ggcgggttct cggaggtgtg gtttacacgc tcgtgccgtt ctacaacaga gttaggcatc 300
tcgaagacga gacggtggga ttcgtggaga atgctgtgga ggttgtggag catttagctg 360
aagtaacaga gaagctagct gtgaatgtgg ctaagcaact tcctgaagat gggtc 415

<210> 21566

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B7

<400> 21566

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gcgggagcag cactatcaca atgacacctat gtctccacgc ctttctacta tctacgactg 120
ctacacaaaag acctccttac ccgaaaaagc aacgctcatt cgacgagcac accaactgag 180
aggcgtgtg gacctgctac gaccttctca ccaagtacac cgccacctgc atgaactaca 240
tgcccgtcta cacggacaaa ggcgccacca agtacacatg ccgcgacttc cttccctaaa 300
actacagctg caagatccac tacatactca tgcaatcaac catggtcaca accgatggac 360
ccttcttcca taagcatgc 379

<210> 21567

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B8

<400> 21567

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aggctgacgc cccagtactt ccatatcggg ggcgtgccat tgggatcgag gctctcaagt 120
 acatcagcta cccggctcag gtgttgcaa aatcttctaa gatgattcct gtaatgttga 180
 tgggaactct tctctatggg gtgaagtaca cacttccaga gtatttatgc acccttcttg 240
 ttgccggcgg tgtgtctctc tttgcgttgt tgaagacaag ctccaagaca attaagaagc 300
 ttgccaaacc taatgcacct cttggttaca cattgtgctt cctcaactta gcttttgatg 360
 gatatactaa ctcgacccaa gatttaataa agt 393

<210> 21568
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B9

<400> 21568

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 caatgtatct tcttctgcca aacatctcca tcttttactg ctttctatac tttcatgtat 180
 cacatgtcaa ttatcactat tattaccttc acctagact ttatttttat tcttccctac 240
 acattatatt aattttcata ttataaaatc ttatattaaa ttttc 285

<210> 21569
 <211> 346
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C1

<400> 21569

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 caaggtgctc ccgtatgctg acttcatatt cggcaatgaa accgactgct gaatcttcgc 180
 caaagttcga ggatgcgaga cagacaatgt cgaggagatt gctttgaaga tctctcatct 240
 acctttggct tcaggcaagc ataagaggac tgctgtgatt actcatggcg ctgatccagt 300
 ggctgttgct gaggatggga aggcgaaaac gttacctgtg atccta 346

<210> 21570
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C10

<400> 21570

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ggttgggcag ccaattgagg gagatgaaat ggatcttgat tctgaggatg aagaggagga 120
gctaaacatt ccagtaatca aggaaaatgg tgatgggaag gaggagcaga aaaatcaaga 180
gaaggcagta gctgctacag cttcaaaatc aagtcttggc cttgaaaaga aaagcaagga 240
tgactctgat gattctgatg aggatgagtc tgatgattct gatgaagatg attctgatga 300
ttctgatgaa ggcgaaggat tatctcctga ccaaagcgat gatgattcaa gtgatgaaga 360
tgataccagt gatgaatgac aagaagaaac cccaacttct aaaaa 405

<210> 21571
<211> 404
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-C11

<400> 21571

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gggagggcat cttctagggg cactcgcatg gaaagacctc agagacaatt tgcaccagct 120
ttcagagctt atgttggaac cttgccatgg caagttgatg actctaggct ggtgcagttg 180
ttcagcgagc atggagaagt tggttgatgct aaggttgtct acgacagaga aactgggcgc 240
tcacgaggat tcggttttgt atcaatgggtg tcaaaggagg aactcaatga tgctatttcg 300
gccctagatg gacaggaatt ggacggccgn cctcttcgag tgaatgttgc agcagagcgg 360
ccacagaagg gcttttgatg cggttgatg agagagatga ctgc 404

<210> 21572
<211> 415
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C12

<400> 21572

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tgaccgtgct ggatatgctg gtggctcgtg tggccgcaca gtagccgctg gtgcacctgc 120
aaaatgaggg acaacatagc tgttgacagt ctctgtgtc gttcgggtggc cctcagattg 180
ttttgaagtt ggcatagaga tccatcaatt ggtcagagtgc ggggttacca gaaaaggctg 240
gatacaaatt tttggagttc ctgttcatca ctatttttgc aggcaacaaa agctaaaaaa 300
gtgattacta attgagtaat tgtagaatag acacctattc agatgtagtt ttagttttgg 360
tcgtcagttg gtgagcctgt catttttgca atgttatgtt actgctagta ttttt 415

<210> 21573

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C2

<400> 21573

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ctcgcgtgggg tggttgtcac aggtgagcga gggggataga tacagcttgc gtggtctcat 120
tactgagaga ggcatgggat gatgtccaca cgggtcttga acccgatccg acatgttgcc 180
tacggtgggc tgcccacagt ctgagtctg ttccaccca agtcacgctc acctcccg 240
cttactattg cctactcct cctgggtgtc attcttctcg tcgactactt catcagcggc 300
tcatgtgtaa ctggtacacg ctgatagtct gttacc 336

<210> 21574

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C3

<400> 21574

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ggatcctgtt ccggggcagg atcattgatg gtacgtactt gagctggact ggagatgacg 120
 cattggagct gcttgagttc ttcgccattg ctgtcaccat cgtcgttgtg gcagtacctg 180
 aagggtacc gctggccgtg aactgagcc ttgcatttgc aatgaagaag atgatgaacg 240
 acaaggcact cgtccggcac cttgcagcct gcgagaccat gggctcagcg acctccattt 300
 gcagtgacaa gacaggcact ctcaaacga accacatgac cgttgtcaaa gcctgcatct 360
 gtggtgaagat caaagaattg gatggtgttt cggatatcaa gaacctgttc ttttgactcc 420
 cagactctgt catggcgatt ctttcagtt catattcaac aacac 465

<210> 21575
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C4

<400> 21575

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 caacggccat aattgccag gtgaacgaag cgatcggggc tgacgggatc atcagcacgg 180
 agtgcaagga agttgtgagc cagtacggag agatgatcct cgacatgctc atcgcacaga 240
 cggatccaca gagggtgtgc agccaggttg gtctgtgcgt gttcgatggc gctcgatctg 300
 tcaggtgaga ggctctgttt tgcttgacac agcaagcatg ttcttgttct tctcatgcta 360
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<210> 21576
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-C5

<400> 21576

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 agagggaggg gaggatgtcc agacggtcgt tgaacccgag ccggcgggtg gcggacgggg 180

gtctgccgac agtcggaggc ctgttccacc ccaagtcacg ctgcctccc gtgcttacta 240
 ttgccctagt cgtcctgggt gtcattcttc tcgtcgcta cttcaacagc ggctcagggtg 300
 taactgttac aagcagagag tctgtgacca ggtctgaagg ttcttgaca tcagaagtta 360
 tgcggtgtgt tccatatctt aaaaaggcat atggaaatgc catgcaaaag gttcttcatg 420
 tangccctga tagttgtaca gtagtttcta attt 454

<210> 21577
 <211> 141
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B12

<400> 21577

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 atggccacga ggccgggccc ttgactgaa tggccatggc aaaagcttgg aaacttcaag 120
 tacttgggtga tggcttccgt g 141

<210> 21578
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H8

<400> 21578

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 gtccggcgcca acttcgcgtc ggccggcgtc gggatcctca acgacacagg aatacaattt 180
 gtgaacatca tcaggatcgg cgaccagctg cagtacttcc gggagtagca gcggaagctg 240
 cgagccctcg tcggcgagcc gcaggcgacg cagctcgtga accaggccct cgtgctcatc 300
 acgctaggcg gcaacgactt cgtgaacaac tactacctgg tgcccatgtc cgtgcggtcg 360
 cgccagtacg cgctcccga ctacgtccgc ttcacgtctt ccgagtacag gaagatcctc 420
 tcgaggctgt atgagctggg cgcgcgcgcg gtgatcgt 458

<210> 21579
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H9

<400> 21579

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 gagacgtgc gctgcaccc gccggcgccg ttctctctcc cgcactactc caccgtcgac 180
 tccgagatcg acggctactt cgtcccagcc gggacgcgcg tcctcgtcaa cgctgggcg 240
 ctcgggaggg accgcacgac gtgggagaag ccggaggagt tcatgccgga gcgggttcgtg 300
 caggaaccgg gcgccgtgga cgtccacatg aagggaagg acctcaggtt catcccgttc 360
 ggctccggcc ggaggatctg ccccgggatg aacttcggat tcgcgacat ggagatcatg 420
 ctggccaatc tcatgtacca ttt 443

<210> 21580
 <211> 119
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-A1

<400> 21580

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 gtatcgatga tcaaagtca tgtatacacg gtggactcat ctcccgatct agcacactt 119

<210> 21581
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-A11

<400> 21581

gaaaagaccg atgttttttg atatgggatc atgcttctag agcttattac tggacagagg 60
 gcatttgatc tagctcgtct tgcaaatgat gatgatgtta tgcttcttga ctgggtgaaa 120
 ggactgctga aggagaaaaa ggtggagatg ttggtggacc cagatctaca gaatgcctac 180

gaggagatcg aggtggagaa ccttatccag gtggcactcc tctgcacgca gggctccccg 240
 ttggagcgtc caaagatgtc ggaggtggtg aggatgctgg aaggtgacgg cctggcagag 300
 cgttgggacg aatggcagaa agtagaggtg gtgaggcagg aggctgagtc ggcaccgctc 360
 cgcaatgact ggatcgtcga ttccacgtac aaccttcgtg ccgtggagct gtccggtc 418

<210> 21582
 <211> 356
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-A12

<400> 21582

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 aactctggag agatacttac gatgtggggg aaccaaacgc atattctgca acacgaggat 120
 gccttatgat gaccgctttc ttgaatgcct, gtttggcttg atcaagaaga actttactga 180
 gtctatgacc caactaacca tgtttacatt ggccatatct tcatggcgaa ttcaaaagat 240
 gtcataaggc caaaactttt cccgcgtgaa ggcatacaaa tccgtgggtc tcgaggatg 300
 tcaatgcccc agattatgtt aaccctcgac ccggaaatga tccttggtta cagaac 356

<210> 21583
 <211> 295
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-A2

<400> 21583

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 tgaagtccac ggcggacggg gagaccgtgt accgggtgag cttcgagtgg gacgagtcgc 120
 agggcatccc gggcgccgtc ctggtcagga acctgcagca cgccgagttc ttctcaaga 180
 cgctcaccct cgagggcgtc cccggcaagg gcaccgtcgt cttcgtcgcc aactcgtggg 240
 tctaccgcga caagctctac tcccaggaaac gcattcttct cgccaacgac accta 295

<210> 21584
 <211> 410

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-037-Q1-K1-A3

 <400> 21584

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 ggcacatcttg aggcgccgcc gtcgtgagga gtcgcgccca tccgtcgtca tccgtcaaat 120
 cagttgatac gaagacatta caggatataa tcggcccttc aacttcaatg aagtctcata 180
 cacatccagt gaagcctcgc tttcaagtca gcaatcggcc taaatgcaat ttgctaaata 240
 aaagttctat tgattctgag caaactatcc aatcttctat agcctccaag ataacaactt 300
 tgattgaccc gcggcaccgg tatgaccaca accttcaactg ctactacgac tgctggcttc 360
 actccgaaag caagcagcct tttttctact ggccgcactt gaagaaatct 410

<210> 21585
 <211> 471
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-037-Q1-K1-A4

 <400> 21585

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 ttcggatcga tcatcacaga acgcaacaga tatgactgca tttgtccaga acctccttgg 120
 acagatgcaa acaagggttcg agtccatgtc gcagaacatt gtgtcaaaga tagatgaaat 180
 gggaaccaag attgatgagc tcgagcagag cattaacgat ctcaaagctg agatgggcac 240
 tgagacgccg gtcaagaagc ctgatgagcc aaagcctgct gactctgcct aacttgggtg 300
 taaccacagag attgttgtgt gaagatttga tgatggtacg tgatcgtatc tgttttcatg 360
 agtcctggca gttatgtaga cacgaacca tcgtatgaaa gatgaatcca tgtttgggct 420
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<210> 21586
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-037-Q1-K1-A5

<400> 21586

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gggtgctctta tcgatgataa aatattatgt atgcacgggtg gactctctcc cgatctagca 120

cacttggtatg agataaagaa cttgcaacgt cccaccgatg taccagatca aggtctactg 180

tgtgacttac tttggtcaga tccaggaaaa gatgttcaag ggtggggcat gaatgataga 240

ggggctctcat atacctttgg tgccgacaag gtttcagaat tcctgcaaaa gcatgatctt 300

gatcttattt gtcgtgctca tcaggttgtc gaggatgggt atgaattctt tgctgacaga 360

cagcttgtca ccatattctc ggctcccaat tatcgtgggt aaattgatta tgctggcgca 420

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<210> 21587

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-A6

<400> 21587

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ggagctcaca aagctacgcg tgctcaacct cagctacaac aggatttcgc ggattgggca 120

tggtctgtcg aactgcacgg ccatccggga gctgtacctg gcgggcaaca agatcagcga 180

cgtggaggggt ctgcaccggc tgctgaagct ggcggtgctg gacctgagct tcaacaagat 240

tacgacggcc aaggcgctgg ggcagctggt ggccaactac cactccctcc tggcgctcaa 300

cctcgtaggc aaccgggtgc aggccaacat cggcgacgac gccctgcgcc gggcggtcac 360

gggcctttct ccgagcc 377

<210> 21588

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-A7

<400> 21588

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ggggctggcc ggcgaggcgg gcaagctcgc ccgctacaac aagaagccca ccatcacctc 120
 ccgggagatc cagacctccg tccgcctcgt tctaccgggc gagctcgcca agcacgccgt 180
 ctcgaggggc accaaggccg tcaccaagtt cacctcgtcc taagctcctt tcgagtaggt 240
 ccttaagcgc cgtggcgccct tttgactgta tggaatgttt gtcactcgaa agttgatctg 300
 agcagtgcaa tatataattc tggcatacta ttctcgcaat cgttttgggg ttcaaaatgg 360
 gactgacatc acagtaatat gtggcatacc ttctgacct ctgtactcga gagggatttt 420
 gtgtggataa gccacttgc 439

<210> 21589
 <211> 361
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-037-Q1-K1-A8
 <400> 21589

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 tcagtgattg gccttatgca cgctcttgca gtgctagatc tcagtttcaa tgagctatct 180
 actccaatac cctctatact gggccacttg acatacactg agaaattata cctgcagggc 240
 aatacgcctc ctgcattgat actgtcagag ctcggttaata tctctacact gcattacctg 300
 gaactgaact acaatctgat gactgggttc atatctactg atcttgata acttacagaa 360
 t 361

<210> 21590
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-037-Q1-K1-A9
 <400> 21590

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 gaggtcatc atctatgtcg tcgtcacgat ttgcatcggg actatatact tcaatgtcgg 180

caccggctac agctctatcc tggcccgggg ggcattgcgt tccttcatct tcggcttcgt 240
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ggagaggctg aacgggcact acggcgtggt cgcgttcgtg atcagcaaca cgggtgcggc 360
gatgccgttc cttgtctca tcaccctggt gtcgggcacg ctgtgctact tt 412

<210> 21591
<211> 442
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-037-Q1-K1-B1

<400> 21591

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ccctcccgcc gccgcacgat gagcacttct cccgccgccc ccgacgtttc gcctttgccc 180
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atggttctac ggatggaact ggatatacaa aactntatgc agaaccctca gctgcaggag 360
tttgaattcc agaactntcc gacttcttac ctncgctgtg ctgctcatcg tgttgacaaa 420
aacatatggc tagagactat ag 442

<210> 21592
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-B10

<400> 21592

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tcgctggagg tgttgctgct ggtgctgcat tggtttttgc tgttccagca attgcatttg 180
caatgtggcg ccgtcgtaaa cctgaagagc atttcttcga tgttccctgcc gaggaggatc 240

tactgatgct atccttcaga agacgatcag gac

453

<210> 21595
<211> 366
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-036-Q1-K1-G2

<400> 21595

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gcaagggcgg gaagggcctg ggcaagggcg gcgcgaagcg tcaccggaag gtgctgcgcg 120
acaacatcca ggggatcacg aagccggcga tccggaggct ggcgcggcgg ggcggcgtga 180
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acgtcatccg cgacgccgtc acctacaccg agcacgcgcg ccgtaagacc gtcaccgcca 300
tggacgtcgt ctacgccctt aagcgccaag gccgcaccct ctatggcttc ngcggctaag 360
tctgcc 366

<210> 21596
<211> 281
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-036-Q1-K1-G3

<400> 21596

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ctgtcagctg aaagaactgg agctggaact gacggagatc agggatgttc tgcgctgtat 180
tttgacaccc atattcttcc atagaaccct cagcctgggt tcgcccanaag atgttgacctg 240
tgatttcctc gatattactt atgtacaatg tggctaccg g 281

<210> 21597
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-036-Q1-K1-G4

<400> 21597

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gtttctctc ctcgcgcgcg cgggactcca gtcgtcatct ccgtatcatc tcatggtcgc 180
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gcagtgcctc ttacagaag gttcagagca ttagaagata acgtagagaa gacggcggan 420
gcggcgatcg aggtgatcga ctcggtggc 449

<210> 21598
<211> 354
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-036-Q1-K1-G5

<400> 21598

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aaactcgtgc agatcagctg acaatatagc atcagaacag anaattcgtg gcatatgtcc 180
aactggagcc aatgctggtt aaccaaagga tgatttgatg gatactattg tttaacaaca 240
attacttga tgatggata aaattgtcag taagaacggg attttacctt atgtggaact 300
ttggaatgct ttcaataacc atttaaggaa ctgaggaat tcaattgggg aaaa 354

<210> 21599
<211> 453
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-036-Q1-K1-G7

<400> 21599

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 cggacgacta cgggctcgag gtctccgtcg gtctgccgca ggcagccgcc cacgccatcc 180
 ctgccgcaa ggataaggag aaagtgcgag aggatgacct ttctcgccgc ctgccgagc 240
 ttaaggcccg cggctgagag gttgtttcag gctttatcag atgcgattca ggcttatgct 300
 gttgagccgc aatgacccat tgtcctgtgg actgctactc atgtttggta gattcgtaaa 360
 tactactgtt atatgcttga aggcgtgtgt tggcattgcc atgtgngtt tgtgtgactc 420
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<210> 21600
 <211> 435
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-036-Q1-K1-G8

<400> 21600

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 gaactcagtt atagaagaaa tacaaaagga cccttggcct gttccagctg atcagcgtgc 180
 gtctaggtgc actggagctg ccttaagtgt tgcagccaat ctccctgggg tttgtgttcc 240
 tggatcaggt gctaggataa tggcatttgt tgggtggcca tctacggagg gccctgggcc 300
 tattgtatcc aaatccttat cagagcccat tcgctcacac aaagaccttg ataaagactc 360
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 ccaagggcat gtgct 435

<210> 21601
 <211> 269
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-G9

<400> 21601

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actataactt cacacaattt acctcaattg attgattaaa ctcacactat acacatgcat 180
ataacatata ctaaactctt acatcctata catcatcatt ttatacactc aactaaatca 240
aatacattaa attctattta tcacaacta 269

<210> 21602
<211> 282
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H1

<400> 21602

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gctttggcgg gtagagtggg gcaccgcgta gcgggacgac atggctgaca cggcgtactc 120
cgaggcgctc ctcgactgcg cacgcctgcc ggccgtcctg ctgcctcggc gcagcagcgt 180
gtgccaccac cagcttcacc ttcaagacgc accgaggctc taccttgac cgtgccacgg 240
ccgcttacga ggacacgtcg gccttcgacg gcgacgagct ca 282

<210> 21603
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H10

<400> 21603

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aagaaaacac tccaaaagta ttactgtcca agagaaagat tatgtcaccg acgtctcagg 120
agaagctttg cagtgtcttg actggcattg atttgtgtga tggagttcaa agatttaaga 180
gcaaaatcat tattgaagat catgaaaaca ctccaaaatc attgttgctt atgagctttt 240
tgtttctgca gcagtgtgct actaatgggt ggaaagcgga acgaaacaat caaacatcag 300
gacaaagctc taaatttgta ttgtccttta tggattggag ataaagagat agagttttac 360
agtcagttcc acataattgt ccttgggtcta gattcaattg gtatgggaat ataaattatg 420

<210> 21604
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-036-Q1-K1-H11

 <400> 21604

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 tcggcggcgg cgcgctccccg gcgttcggcg gcctccccgg cggcagcatt cctggcagca 180
 gcattccccg gttcagcatg cccggcagcg gcagcagcct tcccggttc agcttgccccg 240
 gcagcggcag catgcccctc ttcggcggcg gctccccggg cttcagcggc ttcggcggca 300
 tgcccgggtc cccaccgcc ggctccgtcc ccgagcacgc caacaagccc tgaactccgt 360
 ctgtccgtcc gatccgtcgc tggagcgagg tcgggctagc cagcgtgcgt ggtagtagag 420
 tgatggtact gtagtacgtc gtcgtcttca tgcacgc 457

<210> 21605
 <211> 448
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-036-Q1-K1-H12

 <400> 21605

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 gtccagcgcg tcgtctgatg actgcggcag cccgatcaac cacggtgcga tgccgttcag 180
 ccactccagt cagcaccagc accctcacca gcaccagcag cacatgccgt ctgcctacgc 240
 gtccgggggc tggtcctctc cggtgcacca gcagaacagg catgattctg acatgaagat 300
 gatgtcgaac taacaggcgc ccatttcgtt ggtgtttgcg ctggagagga tagaaaggaa 360
 cctgctgatg gttaggttgg tactgctgct atgaaacggt cctcttgccg gtcgactgtg 420
 ctctggtcag tgacgacgtg tcgatctg 448

<210> 21606
 <211> 357
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H2

<400> 21606

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 caccaagcag tttcacaaca gtgagatcaa gttcccactc gtgtaccgca aggtcaggcc 180
 gccgaccagg aagctgaaga ccacgttcaa ggcttcgagg cccaacctgt tcatgtgatt 240
 tagctgtggt cagtgtatgt gatcgtaaga atctgtgttt taagttttga cgctaagact 300
 tgggtgggtt gaagattcaa ctcgttttga aacgtgcatg gtgaaccatt tgccgac 357

<210> 21607
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H3

<400> 21607

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 aggacatcca gcctcttgtc tgcgacaatg gcaactggaat ggtcaaggct ggttttgctg 180
 gcgatgatgc accaagggcc ggtttcccta gcattgttgg ccgtcctcgc cacactgggtg 240
 tcatggtagg gatgggacag aaggacgcat atgttggcga tgaggcacag tccaagagag 300
 gtattcttac gctcaagtac ccgattgagc acggtattgt gagcaactgg gatgacatgg 360
 agaaaatctg gcatcatact ttctacaacg agcttcgtgt tgccccagag gagcaccctg 420
 tgttgctcac cgaggctcct ttgaacc 447

<210> 21608
 <211> 312
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H4

<400> 21608

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ttgaattgtg tactgcatgc gtgtgtaatt tgatgggttca caataatgag tccctctccg 120
gaccttggtg gctgcttgct tgtggtgagt gagagtgtga gactgagggg gaagaggtgg 180
tgggcggtggg gctacgtcga gagaggcggtg ttctgtaat cctgtactcg cttcggtttc 240
tctgcatgcg tctataattg tgttcaataa taagtgagag cgggtgtgatg tgtggctccc 300
cttgtcaggc tc 312

<210> 21609

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-H5

<400> 21609

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tggtcctggt ctctccaccg ccgcggtccg cccccgcgtg ccgccagtgc gccaccgcct 120
catcgcgggg cctcaggagc tccctcgccg tcttctccgc acccggggct cgggtagcgg 180
cggcgggcgcg cgagcagaag tggggccacg tggaggggtga tgaagacggt ggagaggagg 240
gcctagggga ggcgctccac aggacgcggg agctcgtgga gtgcgccatg ttcgcggccg 300
tcgctgggct cgctacttc ctcagcaatt ccctcgccat tgagaattat ttcagttgct 360
ttttccatt gccgatagtc atttctcat taagatgggg actagaagcc agcaagaaaa 420
ccgtggtggc tactggttta ctgctattca cattatct 458

<210> 21610

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-G12

<400> 21610

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 agcgccgtcg ccacgtcgg ccacgacggc agcgtctggg cacagtccga gaacttcccc 180
 gagttaaagc ctgaggaggt tgctgggatg ataaaggact ttgatgaacc tggaactctt 240
 gcaccaactg gtctttttgt tggaggtacg aagtacatgg tgatccaagg tgaacctgga 300
 gttgtcatcc gaggaagaa gggcactgga ggcattacta tcaagaaaac tggcatgtcc 360
 ttgattatcg gtatctatga tgagccaatg actccagggc aatgcaatat ggtggtggag 420
 aggctcggcg attacctgat cgaaca 446

<210> 21611
 <211> 444
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-036-Q1-K1-E5

<400> 21611
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 aagcatcagc ccaggtgcga aagattttgt tagaaggta ctagtgaaga atccaagggc 120
 caggctaaca gctgctcagc tcttcacatc ggggtagaga agaggagaag catncgattt 180
 cccggtcgac atatctgtgt aatcaaacat gcgtaagttt gtcaagtaca gccgtttcaa 240
 gcaattcgcg cttcgggctc tggcgagcac ccttaacgag gaagagctat cagatctgaa 300
 ggatcagttt gatgcaatgg atatcgataa aagtggatcg attagtatcg aggaaatgcg 360
 tcatgccctt gcaaaggatc ttccttgga attgaagggt ccccgtagcg tggagattat 420
 tcacgcaatt gacagccaca ctga 444

<210> 21612
 <211> 242
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E6

<400> 21612
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 cccaggtgcg taaaaattta acagtaaggt tgctaaataa caatccaact accatcctaa 120

cagctattaa aactctctca catccctatc aaatacatc aggataaaca tctatatct 180
 ccttccacat atttctctta tcaaacattc atcactactt caaatacatc cttataaatc 240
 aa 242

<210> 21613
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E8

<400> 21613

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 acgggaacgg gacaggaccg caaaatctca gacccctcct gcccgcccg ccggtgcccg 120
 cgacgcgtcg ttcttgccgg ccgcgcccc cctccgccct ctctcctcc agggggatcg 180
 gatacgccac aggctgcgcg atggtgctgt gggctctcgg ctacggctcc ctcatctgga 240
 accccggctt cgacttcgac gacaaaatcc tcggcttcac caagggtac aagcgcacct 300
 ttaatctcgc ttgcattgac cacagaggca caccggagca tccggcgagg acctgcacgc 360
 ttgaaaccga cgacgaggcc atatgctggg gaattgcata ttgtgtcaag ggtgggtccag 420
 aaaaagagct aaaagcaata cagtacttgg agaga 455

<210> 21614
 <211> 323
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F10

<400> 21614

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 ggcgcgaacc cgtcggctgc tggcggaatg ctcgagctgc tcgcgcggcg agagcgggcc 120
 gccgcgtggc ggccggggga cggaccggga acggccccct cgggggcctt ccccgggcgt 180
 cgaacaaccg actcagaact agtacggaca agaggaaccc cacctggatg tattatgagg 240
 aaaaagtgc tgtgcacatg aggagtctga gaattactcg ctcccgtccc aaactaactg 300
 tatttctacg atttgaata tat 323

<210> 21615
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F12

<400> 21615

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 agggatttgc agagagatac ccagctcttg tcacagggttt cttcttcttc ttgtgggtatt 120
 ttctgaatgt aatatttaac atcctcaaca agaagatctt cgactacttc ccctatccat 180
 attttgtgtc agtgagccat ctttttattg gagtactata ctgccttatt ggctggagct 240
 tcggcatccc aaagcgcgcg ccaatcaact caacacttct gaagcagctt gttccagttg 300
 cggtttgcca tgccattggc catgtaacaa gcactgtgtc atttgctgct gtagctgtgt 360
 catttgccca cactattaaa gctctcgagc cattcttcaa tgcggctgct tcccaattta 420
 tccttggaca accagttcca ttga 444

<210> 21616
 <211> 460
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F2

<400> 21616

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 ctgctgggtgc cctccccct gtctgtgtga ttgggttcga gggatttgag aagcgccttg 120
 agatcagctt ctctgaggca cctgtcttgg ctgacccag cggaagggga ctgctgctgc 180
 tctcgctgc ccagatcgac tctgttcttg accttgctcg gtgcaccatt gtgtccgagc 240
 tctcaaacga ggacttcgac tcttatgtct tatctgagtc gagcctgttt gtctacccat 300
 acaagattgt gatcaagacc tgtggaacta caaagcttct gctcgtatt ccgaggatcc 360
 ttgaacttgc tgaagagctc ctgttgccac tcgctgcagt taaatactcc cgtggaacgt 420
 tcatattccc tgaagcacag cttccccac acaagaactt 460

<210> 21617
<211> 455
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-036-Q1-K1-F3

<400> 21617

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aagctgaggg ccatgctact ataatcctcg ctggtgctga gtatggaagc ggcagttctc 120
gtgattgggc tgctaagggt ccatgctcc tgggagttaa agctgtaatt gccaaagagct 180
ttgagcgtat ccacagaagc aacttggtgg ggatgggaat cattcctctg tgcttcaaag 240
ctggtgagga tgctgattcg cttggcctca ctggacatga gcggtacagc atcgatctcc 300
ctaccaacct cagtgagatc cgtcccggcc aggatgtgac tgttactacc gacaatggga 360
aatctttcac ttgcatcggt cgctttgaca ctgangtgga gctggcgtac ttcaaccatg 420
gaggcatnct nccttatgtc atccgcaact tggca 455

<210> 21618
<211> 329
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F4

<400> 21618

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tgcaactcac cgatggatga agcatcgagc atgatatcat atacgacgca ctcggtcgat 180
ttacatgcat tcaccaattc atactatacc attctgaagg tacgtttgaa cttacttcac 240
atgtattgca ctatagctag ctgcttaact accggataaa gaaccgaaac gtacacgatt 300
tctaccataa tacaagtact actccattc 329

<210> 21619
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F5

<400> 21619

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ccacgcgtac gaggtcatgg cgcgcttcga gcgggagggc ctcgaccgcc tccagatcat 180
gccccggggc tcggagctgt gtggcttcct ggacgcgaag cagatcagaa gaggtttgat 240
caccgcta at gtgaaggacg cagttgattt gttccaccaa agatttggtg tgacgttcac 300
tcctgcactg agcagagaat ttcgccccta taaaccaa at cctgctccac tgcttcacat 360
atgctccgct cggaacattc caccacacga agtgatcatg gttggcgaca gtctcaagga 420
tgatg 425

<210> 21620

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F6

<400> 21620

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ctatctatcg ttcgcttcgc taccagtga gtgctgcact tcaccgatgg atgatggatc 180
gggtatgata tggatatagga cgcggtcggt cgatttgcat gcatgcacca agtgttacta 240
taccgttctg aaggtagctt tgaactttgt tcgtttgtat tgcactattg cttgttggtt 300
aagtagcggc taaggaggag agacgtaccg ctgtgctacc ataattggaag tactactccg 360
gtccggctct gtgtgagcct tatgtacgtg caattttaat gtgttttgat attacaagac 420
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<210> 21621

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-036-Q1-K1-F7

<400> 21621

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ctgcttcttg ctgcacgaca cgcactcggg tttctggcgg ggaggagacg cgtggacggc 180
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gtgggagaag gtggcggagg tgggtgcgcac gaagacggtc gacgacgtga ggaaccacta 300
ccacgacctg gagaacgacg tcncttcat cgaggccggg ctctgtccgt tcccgcacta 360
cagcggctcg gtttcgtcgg tcgggttcac ccaccagag gattgggac 409

<210> 21622

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F8

<400> 21622

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attgactact tcaactcacac ttcaattttt cacttcaacc atacattatc actcttccat 180
aatactctat attacacaac ccgctgatct tcatacatc attcacaact actatacctt 240
tcacaacttc catttcaact aatcccatca ctataacact attgactaat accttaaata 300
cccctttaat catacatacc ttctctata ttactataa 339

<210> 21623

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-F9

<400> 21623

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tagagacaga gacgaggaca gggagggcca ggccacggac tcctcactcc gctcttctcc 120
gctgatctgc ctgaacgacg caactgcagc tgcacatgca ctactcgcca ttccaaccac 180

ctattcactg cgcatatatac tcagcaccca caacattgaa gcactcccta cactgc 236

<210> 21624

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-G10

<400> 21624

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cccgtggagc ggcggctatg gccccgtccc tggctcgcca gcgggcggcc ccggcgcggt 360
acaagcgcgc ggcccggcca cggctcggcg cgacacgggc gctctatggc cgtgcggcct 420
atgccaagca cgccgggcgcg 440

<210> 21625

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-G11

<400> 21625

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cccaggtcgg tgctcacctg gactagactg tgcctaccca actgggaatt cactcgtcga 180
gccttacact gctggccata acattctcct agcccacgct gaggtgtgtg atctttacaa 240
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gccatacggg acatcgtttc tggataaaca ggccgaagaa aggtcctggg acatcaacct 360
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tagggaacga ctacccttc 439

<210> 21626
 <211> 463
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E4

<400> 21626

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 cgtgcatccc gtacgcgacg gggagggcca gcgcgctccc cgcgtcgtgc tgcagcggcg 240
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 tcaagagcct cgccaacagc gtcaagagcg tcaacatggg caccgtcgcc accatccccg 360
 gcaagtgcgg cgtctccgtc ggattcccca tcagcatgtc caccgactgc aacaagatca 420
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<210> 21627
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-036-Q1-K1-D10

<400> 21627

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 cccaagccgg cggcgctccg cagcccatgg tacggtgccg accgcgtcct gtacctgggc 180
 ccgctgtccg gctcgcccc gagctacctg accggcgagt tccccggcga ctacgggtgg 240
 gacaccgcgg ngctgtcggc ggaccggag accttcgcca agaaccgcga cctggagggtg 300
 atccactgcc gctgggcat gctcggcgcg ctcgggtgcg tgttcccgaa ctgctcgccc 360
 gcacggcgtc aggtcggcga aggcgggtgg gtcaaggcgg gcctccagat cttcagcgag 420
 ggccggct 428

<210> 21628
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D11

<400> 21628

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atggaaggta gctcctgctc tggctgctgg ttgtgcatct gtgctaaagc catctgaatt 180
ggcttctgtg acttgcttag agcttgctga tatctgtaa gaagtcgggc ttccttccgg 240
tgtcttaaac attgtgacag gattaagtcc tgatgctggt gtcctttgt cagcacaccc 300
aaatgttgac agggcgcttt taactgggag gtttgaactt gtaggaagat tatgcggctg 360
cagctcctat ggttaagcct gttacactgg aacttggtgg aaaaagtcct atagtagtat 420
ttgatgatgt tgacat 436

<210> 21629
<211> 56
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D12

<400> 21629

ataaagacaa cttacactac catctctata aattaaaaat ctcataatct atatcc 56

<210> 21630
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D2

<400> 21630

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ggaacaagga cagcagggag ctggtggcca tgaagttcat agagcgagga aacaggatcg 180

acgagaacgt gttccgcgag atcgtgaacc accgctccct ccggcacccc aacatcatcc 240
 ggttcaagga ggtggtgctg actcccacgc acctcgcat cgtgatggag tacgctgcgg 300
 gcggggagct gttcgagcgc atctgcgacg ccgggcgggtt ccacgaggac gaggcgcgct 360
 acttcttcca gcagctgggtt tgcggcgta gcttctgcca cgccatgaac atctgccacc 420
 gggacctcaa actggagaac acgc 444

<210> 21631
 <211> 460
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-036-Q1-K1-D4

<400> 21631

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 gcctgggcca ccagcaacga gtcgctggag aatgccttcg cctcctacgg cgagatcctc 180
 gactccaagg tcatcaccga ccgggagacg gggaggtctc gcggcttcgg cttcgttacc 240
 ttctcctccg agaactccat gtcgacgct atcgagaaca tgaacggcaa ggagctcgac 300
 ggccgtaaca tcaccgttaa ccaggcccag tcccgtggcg gtggcggtgg cggcgggtggc 360
 tacggcggcg gtcgcgggcg cggcggtat ggtggcgggc gccgtgacgg cggttatggc 420
 ggcngtggcg gctacggcgg tcggcgcgag ggtggtggcc 460

<210> 21632
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D5

<400> 21632

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 tctaataacg attgcggtgt tcgtgaatac gatatggaga gatttcagct cttgaaccac 180
 taccgatata actggccagt taatcacaca tctgtgagcc cggataagaa acttttggct 240

gtggttggag atgatcggga tgctcttctt gtggattcac ggaatggaaa ggtaacctct 300
accctagtgt gccatctgga ctactcattt gctacggcat ggcacccgga tagccggacc 360
tttgcgaccg ggaaccagga caaacctgc cgtatctggg acacccgcaa cttgt 415

<210> 21633
<211> 471
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D6

<400> 21633

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tgtaagggtgc agccaccagg gcaagattac atcatatggg tggttgatgg gcgagggtttt 120
cgggcagtgg gggagaattg cgctgcaggc ctccgtcatc ataaacaatg tcggcgtgct 180
aattgtttac atgattatca ttggtgatgt attatctgga acaacatcag gcgatgttca 240
tcatcgtggt atattggagg gctggtttgg agctcatttg tggaattctc gtgccattgt 300
tcttcttgcc acagctcttt tgggtgttgc tccgttggtg agctttaagc gcttggattc 360
attaagatac acatctgcgc tatcagttgc cctggcagta gttttgtcg taattactgc 420
tgggattgcc atcatcaaac tcttcaatgg aactgtagcg atgccc aaac t 471

<210> 21634
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D7

<400> 21634

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aaagcttgtg ctgcaccacc tgaccgatga ggagtgcgtc aagctcctgg ctcaatgccg 120
gaaggcgatt cctccacgga aggacggcgg gaaagttata atcggtgata ttatgattga 180
ccactctggg cttatgctgg aaactcacct cctgatggac atcggcatga tgaccatgac 240
aaaaggacgg cagagagatg aaaaagaatg gagcgagctc ttcaccaaag cagggttcag 300
cgaatacaag atcctgaagg aatttggagc tcgtgttgcc ttcgaagtct atccgtgaga 360

tatatatata tatttacata catatatgta tgtgtgtggg tgccttgctt ggcttggcgt 420
 gatgatgtca taaataaaga ggggtgggtgt gc 452

<210> 21635
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D9

<400> 21635

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 ccggggcagt cggaagaac aagaggatct ccaagggaaa gaagggtggt aagaaaaaga 120
 ccgtcgatcc cttctctaag aaggactggt atgacatcaa ggccccatcg gtcttcagt 180
 tgcgcaacat tgggaagact ctcgtgtcca ggacacaggg taccaggatt gcctctgatg 240
 gtctgaagca cagagtcttt gaggtttgtc tagctgatct tcaagggtgac gaggatcagg 300
 cttacaggaa aatcaggctc cgtgctgaag atgtgcaagg catgaatgtg ctcaaaact 360
 tctggggcat gaattttacc accgataagc tcagatctct agtaaagaag tggcagacat 420
 tgattgaagc ccatgttgat gtc 443

<210> 21636
 <211> 206
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E1

<400> 21636

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 cgggcggcag caggcagcca tcatgtctaa ggagaagcac ggccacttct tcaaccacca 120
 caagaaggac gaggagcagc ccgccggcga gtacgggtac tccgagacca aggggtgaac 180
 cgcacccgcc aaggccaatt ccaaaa 206

<210> 21637
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E11

<400> 21637

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acggacgttt gaaggagggc acttacaaag gaaagaagtt taatgcaatc tgtcacttct 120
ttggctacca agctagggga gcaactgcctt caaagtttga ttgcgattat gcctacgttt 180
tggggcatgt gtgctaccac atcatagctg ccggattgaa cggttacatg gctacggatga 240
caaatcttaa gaatccagtg aacaagtggc gatgcggcgc gactcctatt tcgtctatga 300
tgactgtgaa gcgatggcgc cgtggccctt cagccacca aattggaaag cccgctgttc 360
acatggctag cggtgacttg aaaggaaaag catacgatgt gttgagacag aattcttcca 420
gctttttgtt ggaagatgtc tac 443

<210> 21638

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E12

<400> 21638

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atgactacaa gcagaaaggt cgagactgtc tgactccagt atgtccacac aaaagatctg 120
attatggatt acctgaggat aaatttattt ttgcttgctt caatcagctt tacaaaatgg 180
accctgagat atttgacaca tgggtgaata ttctcaaacg tgttcccaac agcgcattat 240
ggctttttaag attcccggca gctggtgaaa ctagagttag agcatatgct gctgccagag 300
gagtaagatc agatcaaatt gtattcacag acgttgccat gaaaaaatga gcatatacga 360
cgcaatgccc ttgcaaaact tttcctggac aactccctct tgaatgcaca cacaacaagc 420
actgacatac tgggggctgg tcttgcaatg atcaccct 458

<210> 21639

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E2

<400> 21639

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aggcgagaca tgctgcagag gttgttgac cagtgccgcg agattcaggt taccgttgac 120
gtctacctca tcgaaagtga tcagattgct aacgctatca tcgagcttgt tcctgttctt 180
cgcataagtc aactggtact aggcgtctca aagtcaaagtg tgcggaagct gaagaaagga 240
accacgatag caggacaggt acacaagggc gcacctctct actgcgaagt caagatcgtc 300
tgcgacggca aagaggtgac gactgttgac ccaacgccac cgctgtcacc tccccctgtt 360
aacaacaaca gcagcagcag cagatccaac aaccgcacac caccgtcgtc tacgccgaat 420
catgatacaa cagctgcaaa cgggtgacagg aaagacagag aaag 464

<210> 21640

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E3

<400> 21640

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tggggatgac tgggaattgc atgctgatgg gaagcctgta ggcaatggta gtagacttgc 120
agacctaaac cgtgcaaaaa atcttacatt gcatagcatt gctagatgga tggattcaga 180
actgcacgg catcctaaga tgaaagtttt cctcaggaca atttcaccaa ggcactttgt 240
aatggtgac tggaacacag gtggaacatg tggaaatacc gtcccccttta ctaatggaag 300
tgaagtcttg caagatcatt caattgatat acccgcagaa aatgctgtga aaggaactcg 360
ggttaagctt ttggatatca ctgctatctc aaaactacgg gatgaggggc atatctcaaa 420
ctctagtttc aaaa 434

<210> 21641

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-D1

<400> 21641

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 cgagctcgaa tctcaagttt tgggtgctata acatggatgt ggagcggttg atttgagttg 120
 gtccagattt tgtgccaggg caccgcgctg cccaacgagt acccaagtct cgcagaaaat 180
 atcaatactt gcttcgtatg attttttgcc aaatgactag caaattccta gctaacgcgg 240
 ctgttatgcy taaaaccaga agagctgctg cttttagatt acgtctgtta tatattaata 300
 ggcgagaagt aatatgtcag tgggggcgctg gggctgatgt ggtaagatgg atgggtgttaa 360
 agactagcat gtgcccgatt tgacgaaaac gactacaaaa gcgggatgag cattga 416

<210> 21642
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B11

<400> 21642

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 aaggtctcat ctatgaatag gaggggtata tatgggatat accatctgac taatatgggt 120
 atggttcgct tcactctggtt agtgaacctc cacgtcccca accttcggtc cttcgaccaa 180
 tgcccatggc ttgaaatcgg aaaggcgcac atatattgca cacctttagc tgagagaagc 240
 tttaatgcgc actgtaacga ttaactaaca ctctttattg gagactgtgc ccacccatg 300
 acactgttag aatatctcac ggacactcat gttgaatatg cattgagcat cgctgcactg 360
 gtcatacgta tggatcatcta gattgggaac attaagc 397

<210> 21643
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B12

<400> 21643

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 gaggcgagtt cgggagggag cggatggcaa tggctctgct tccgctattg ctctcggccc 120
 tcacgtctc ctgcgtcgcg cagtcgccgg cctcgtcgcc gtccgcgtcg aatgctctc 180

cggtcaccgc ctgggctccg cggagctctg tcgcgccacc gacaacggcg gtctcggcgc 240
 cgcagggctc tgtcgcagca ccgacgacaa ctgcggcctc ggcgccgcag gcttctgtag 300
 cgccaccgat gacaacggcg gcctcggcgc cgaaggcctc tgtcgcggca ccgacaacgg 360
 caacctcggc gccgctggcc tctgcagcgc caccgacgac aacggcggcc tcggcgccaa 420
 cggtctctgt cgctgcaccg c 441

<210> 21644
 <211> 248
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B2

<400> 21644

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 atctacacac attattcaat atttttatct ctctttatta tattttaaaa tttatatctt 180
 ttatatacac atatattcat ctctttatta tttactctat cttctctatt tttctatcat 240
 tatatttt 248

<210> 21645
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B3

<400> 21645

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 ctgcacggaa ccatgtcgag gaggaagacc agggagccca aggaggagaa cgtcaccctt 120
 ggaccactg tccgtgaagg agagtatgtc tttggtgtcg ctcacatctt tgcacacctc 180
 aatgacacct tcattcatat cactgatttg tctgggaggg aaactctggt tcggatcacc 240
 ggtggcatga aggtgaaggc tgaccgtgat gagtcgtcac cttacgctgc tatgcttgct 300
 gctcaagacg tcgcacagcg ctgcaaggag cttggcatta ctgcactgca cattaagctt 360
 cgtgccaccg gaggcaacaa gaccaagacc ccaggacctg gtgcccagtc tggcctcatg 420

gcgcttgctc gttccccgat gaaaatcgga

450

<210> 21646
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B7

<400> 21646

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agtgaaggag ggtctaagag gccatgttgt tgtagagatg agtgatcttg ataataaacc 120
tttagtgaaa ctggttggtg gtgaactaat tgaaacagtt gttgcccattg acgtgattgg 180
acgtctgaat atacaaatgt ccctccaacc ttgccttgcc ccaattttgg aaggccatat 240
tggaattttg aaaatccaaa gtttattttt aaccattgcc caaaattgaa tgcctgcggt 300
ttggggatgt gttgatctca tttcctgatg ccgtaccttg tggagtcaag gttgcttcaa 360
aatctggaaa gatcttgatg aatcctgatg attgttatgt tttaagaga 409

<210> 21647
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B8

<400> 21647

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gcggcacgct agctctagct ctcacatcga ttgagatcat cagagaggtg gaagaagaag 120
gagctaagat accagatcga ggaagagagg cgggtgcggtc ggtagatgat ggagagggtc 180
gaggacttag ggctcaagcc taacctcagc tcgtccctcg cgtctcctcg aactcaccat 240
gtcgacacca tgctgctacg cgctccaaaa aagaagttcc tggagatgcc actggtgctg 300
cccgcgaaac cgaacgaagt caccggccaa gaaggcc 337

<210> 21648
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-C1

<400> 21648

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aggcatggca tccaaggccg gctgttctt ggctctcaac ctctgttct tcacggtggc 120
caacgcctgc ggcagctgcc cgacccaac gccccggtc gagccaccgc cgccgcctcc 180
tgctgtacc ccacccctt cgtccagcg caagtgccg ctgaacgcgc tcaagttcgg 240
cgtgtgcgcc gatgtgctcg gctcgtcaa aggcgaggtt ggcaagggtc ctgccgagcc 300
gtgctgtacc ctcatcaaag gcottgcgga cttcaaggcc gccgtctgcc tttgcacggc 360
catcaaggcc 370

<210> 21649

<211> 461

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-036-Q1-K1-C11

<400> 21649

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ctggacccgc tgtacgccgc gaagttgcgg ctcaagtgca agacgctgac ggacaacacg 180
acgatcgtgg agatggaccc cggcagcttc cgcaccttcg acctgagcta ctaccgcggc 240
gtgctcaagc ggcggggcct gttccagtcc gacgcgcgc tcataccga cgccgcctcc 300
aaggccgaca tctcagcgt gatcaacgcg ccgnccgagg tgttcttcca ggtcttcgcc 360
ggcctcaatg tcaagatggg cgccatcgag gtcaagaccg gctccgaggg cgagatcagg 420
aagcactgcg cctcgtcaa caagcactag gcggcggaat t 461

<210> 21650

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-C12

<400> 21650

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gcaacgggca ggtgacgtgc ctgccgtacc aggcgccgtg cgccaacagg gaccagcaca 120

tcttctggga cgccttccac ccgtcggagg cggccaacat catcgtcggc cgccggtcct 180

accgcgccga gtcgcccac gacgtctacc cgatggacat cagcacgctc gtcttcatct 240

gattctgatt ctcatccttc cattaatata aacataaaaa tatatgatat aatccaccca 300

acaattcgca aaggctggca tattaacaa ggctccaaga agaagtagcc gtgccattct 360

ttactgggga ccagctcggg ccttatctgg aatttttcat gctttcatac atttgcacg 420

ggtactta 428

<210> 21651

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-C2

<400> 21651

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gagaggatgc gaccttctcc caagaaacca aggatagatg cattatcacc agattcagag 120

cgcgatacaa cacaacctga attogaatcc catttgatcg gtccgtggga tcacggcatt 180

gcattcccag tggaggagtt caaagcagac cctgctatga gcaagtcata aggcaaactt 240

caccttgaca gaaaattttc agagttgacc tctccacgag atgatcattc tcatgtgaat 300

atatattatc ttaacaacag aatgttgtag gggtttttga ccctgcacct gatcccttca 360

gccacgtcca gttattctta tcaactgtagt atccatcaac aagtcctgta attatgagga 420

tggtgttaca gagtttctag caagcatttt catcgaggga at 462

<210> 21652

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-C4

<400> 21652

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atctattgac gttcctcaag tttggaatca ccatgaatgg attcattcat ttgaaaaatt 180
tttggactcc atgaatatcc atcatgttca catttatggt acatctcttg gtggattcct 240
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ttttcttgag acgcacaagt ttgctgctgc catgccttgg tctccagttg ttaattggac 360
cccttctttt ttgctgaagc ggtacctctt gacaggaatc cgagatggtc cccatgaacc 420
attcatcgca gactcagtag attttgggtg gggt 454

<210> 21653
<211> 382
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-036-Q1-K1-C5
<400> 21653

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gcgattgttc aaggacggca agggctgcgg ctctgctac aagattcggt gcaggaagga 120
cccgtcctgc tccggggcgga cggagacggg gatcatcacc gacatgaact actaccgggt 180
gtccaagtac cacttcgacc tcagcggcac tgcgttcggc aggctggcca agcccggcct 240
caacgacaag ctccgccact ccggcatcat cgacatcgag ttcaccaggg tgccgtgcga 300
gttcccgggc ctgaagatcg ggttccacgt ggaggagtac tcgaaccccg tctacttcgc 360
ggtgctggtg gagtacgagg ac 382

<210> 21654
<211> 376
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-036-Q1-K1-C6
<400> 21654

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gcgattgttc aaagacggcg ggggcgttta ctctgctac aagattctat tcaagaatga 120

cccgtcctgc ttcatgcata cagagaccgt gatcatcacc gacataaact actacccggt 180
 agtccaagta ccacttcgac ctcagcatca cttgcattcg acttagctgt ctcaaacgac 240
 tgacctcaac cactagctcc gccactccat catcataaac atcaagttca ccacattgcc 300
 aatcgagttt ccgggcctga agatcgtttt ccacgtgcaa gagtactcga acacgatata 360
 cctcgcgata ctattc 376

<210> 21655
 <211> 335
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-C7

<400> 21655

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 ggggaagatc aagttctaag agaggcaaaa aggaggaaaa agaagacaca gaagctgcaa 180
 atgaggctgg agaagatggt gcttcggagg aaggtaaagg tacagatgtg gagatgaaag 240
 atgctgaaaa cgctgaagac gaaaggaaa aggcccaaat gcagatgctg cagagaagac 300
 tgaggaaggt gaagatagga aagaggaggg ccctg 335

<210> 21656
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-C8

<400> 21656

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 ccggcgggcg cgaatgcggc gccagggccg gcggcgctgt cgtcgaacgg cgcgggcgct 180
 gctgacgctg cccctccac agacttgaac aaggcgctca aggacgacca gttcagccag 240
 cttaagcaac tgctgcacca cacgctcgtt gacactetta ttaacactca tctgacgttc 300
 agctactacg gtctgaccat tatggcgccg accaatgccg acttcagcc gatgaatgcc 360

ggcctgctta acatgctttt gccgcaggtg cagatccagc tca

403

<210> 21657
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B10

<400> 21657

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aggaccccaa aatctgagat ccttgctgcc cgcccgcccg tgcccgtcga cgcgtcgttc 120
ttgccggccg cgccccacct ccgcccctctc ctctccagg gggatcggat acgccacagg 180
ctgcgcgatg gtgctgtggg tcttcggcta cggctccctc atctggaacc ccggcttcga 240
cttcgacgac aaaatcctcg gcttcatcaa gggctacaag cgcaccttta atctcgcttg 300
cattgaccac agaagcacac cggagcatcc ggcgaggacc tgcacgcttg aaaccgacca 360
ccaggccata tgctggggaa ttgcatattg ggtcaagggt ggtccagaaa aagagctaaa 420
agcaatacag tacttggaga 440

<210> 21658
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H6

<400> 21658

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ggagagaaca ctagcgttgg gtcaccaggg cgggctcca tcccagcagc catggcgatg 120
gcgtacaaga tggcgacgga ggggatgaac gtgaaggagg agtgccagcg ctggttcattg 180
gagatgaagt ggaagaaggt gcaccgcttc gtggtgtaca agatcgacga gcggtcgcgc 240
gccgtgctgg tggacaaggt gggcgggccc ggggaagggt acaacgagct cgtggccgcg 300
ctgcccggcg acgactgccg ctacgccgtc ttcgacttcg acttcgtcac tgttgacaac 360
tgccagaaga gcaagatctt cttcatcgcc tggtcaccgg cggcgtcgag gatcagggcc 420
aagatcctgt acgcgacat 439

[illegible]

<400> 21659

<210>	21660
<211>	326
<212>	DNA
<213>	Zea mays

<400> 21660

<210>	21661
<211>	439
<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H9

<400> 21661

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gtgggcaagc ccaaggtggc ggcgtccggc agcccctggt acggccccga ccgcgtaag 120
tacctcgcc ctttctccgg cgagcccccg agctacctca ccggcgagtt ccccgcgac 180
tacggctggg acaccgccc gctgtccgcc gaccccgaga cattcgccaa gaaccgag 240
ctggaggtga tccactcccg ctgggccatg ctggcgcgcg tcggctgcgt cttccccgag 300
ctgctctccc gcaacggcgt caagtccggc gaagccgtct gggtcaaagc cggctcccag 360
atcttcagcg agggcggggt ggactacctc ggcaaccca gcctgatcca cgcgagagc 420
atcctcgcca tctgggcct 439

<210> 21662

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A10

<400> 21662

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atcttgccag aaatcgtggg agaatacata catgtatatt gcatgcagat tccccacc 120
ctcccatttt cttctctttt ctagacatct tactatgctc tttctaggaa actggtcgtg 180
ctgattcaac aaaagtcaaa gtcttttgca caaatgaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggcgg 300
accgccctta aaggaccaca gatgactaac atgcagttcc tacgaattag ctgttctata 360
aaagaggcca cagctcattt aactggccgc cggg 394

<210> 21663

<211> 218

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A11

<400> 21663

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 gttagatgcc ctgtctgggt gtgtaggaaa tgttgattat actaacaccc cacaagaagt 120
 gcacgatcat ttccaagctt gaggaactgt caacaggggtc acaatcttga ctgacaagtt 180
 tgggcagcca aaaggttttg cttatgatga atttctgg 218

<210> 21664
 <211> 369
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A2

<400> 21664

gcggctacaa ccggtcgacg ggggttcgtgt ggctgcggta ggccgacagg ctgaccacaca 60
 ccttgggggtc gatcggcaag catgggtgggt acgacagga gggtacggcg ttcgtggagc 120
 cgggtcggat gcacggcctc tccgggggtga agagcaagga gctcctcatc tgggtcacca 180
 tctacgagat cgtactcagc ctctcctgca ccaagatcgt gattcgcacc cccgcggggc 240
 gtcggacgcg ctttccctgt caccgcctta cagctcgagc ccgaggggga ccacaaggcc 300
 gacgacgccg tcgtcggcgg cgaccactga tctgctctag cttccggctg cggcttgctt 360
 acatgggct 369

<210> 21665
 <211> 383
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A3

<400> 21665

gttgggtctt tgtctatgta gtgcaaccct tatttttgtt ttctaatacc atcacaacgc 60
 atgtggagta aaccaaactt ttatacgctt catgcttgca aaactttagt tcttattcta 120
 atgaactgct ggtttgtgat gaagttttgt ttagggttta gggtttggca ttgtgtataa 180
 aggttgtgtt taattgctaa cccttaattt tgtcaacctt aactggatga tatacaatag 240
 tatggtcctt tccaaagacc ctttagttaa gaaccatgaa atgctcctga atctcctaata 300
 ccaagacatc ttttggtaac taccaaattg caggttggtg gagcatttgc taatttggaa 360

caaatgactc aagttaacca taa

383

<210> 21666
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A4

<400> 21666

aaaaatgtgc ataatcattt gctaagttta atgacctacg tcaggtctta cgtactaaaa 60
aatattcgct agttgagtgg ttcgggcata ttcctgagtg tgctacgggtg aacttgatg 120
tcattatcat ttcaacgtat ctagatgcat tatggaagat ttttagtttt ctttggtata 180
tttgagaagt tatatattgc atatacagag agatgcagct gggattattt tgctgcaact 240
tcgcgatgtt gcagtcattt tattgtacat aggttatatg atacgtctgt gtcaccgcat 300
gaaaatctac tgctgtgcc a tatgaagacc ttgcttatca cgggtgttgt acctaagatc 360
aactactggg cctacaccgt ggacggagta ttttaattgat gaaatggcta 410

<210> 21667
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A5

<400> 21667

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cggcgcgcag cagggcgtgt ggagcatcat caccgggcc atgttccaga gcatgctgag 120
ccaccgcggc gacagcgggt gccagggcgc cttctacacc tacgacgct tcatcgaggc 180
cgccagcaag ttccccggct tcggcaccac cggcgacgag cagacgcgca tgccgggagct 240
cgccgccttc ttcggccaga cgtcccacga aaccaccggt ggatggggcga ctgctccgga 300
tggaaccgttt gcctggggat actgccgggt gaaggaacag aaacagacgg acccacccta 360
ctatggacga ggaccatac agctaactca taagtacaac tacaggctcg cctggcaagc 420

<210> 21668
<211> 395
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A6

<400> 21668

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cgggttcggcg acaactgacc agagcaaaga accggatcaa attgggatca aaatgtatgc 120

ctgggacgat ttcttgaaag tggggaagga taatcctcgt caaccttgcc ttccgcaggc 180

aagtgacatc tgcactgaca tgtacacaag tggaacaggc ggacagccca aaggtgtgat 240

gctgacccat gaaagccacg ccatgtatgt gaaaggggtg gacctcttca tggaccagtt 300

tgatgataag atgacaacag atgatgtctt cctgtcgttt ctcccgttg ctcacatcct 360

tgaccgcatg atcgaagagt atttcttttca caaag 395

<210> 21669

<211> 444

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-036-Q1-K1-A7

<400> 21669

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tgaggattgg aagaggctgt attctaacac gaaaaccaac ttccgtgagg ttgctattaa 120

aggtttctgg gacatgtatg acccagaggg ctactccctg tggttctgtg actacaagta 180

caatgacgag aacacagtgt cgtttgtgac tatgaacaag gttggtggct tctgcagcg 240

gatggatctg tgccgcacat acgccttttg caagatgctt gtggttggct ctgagccccc 300

tttcaaggtc aaggggctct ggctcttccg tggccccgaa atccccaaagt ttgtcatgga 360

tgagggtctat gacatggagc tctatgagtg gaccaaggtc gacctctctg atgaggccca 420

gaaggagcgg ntcaatgcca tgat 444

<210> 21670

<211> 199

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A9

<400> 21670

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cgggctcgcc agcgcgaccg cggggcagca gcattaccag cttcaggagc cgaaaaacca 120

agcggccggc ggcggtccat caggccatcc tgaccaggac cacttggagg tcgtcgtcac 180

tttgaattgc ccgaccaag 199

<210> 21671

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H5

<400> 21671

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gtttatgtgg gctgtgggga acgaggaaac gagatggctg aggttctcat ggactttccc 120

cagttgacga tgacattgcc tgatggccgt gaggagtctg tcatgaagag aacaacactg 180

gtggctaaca catcaaacat gcctgtcgct gctcgtgaag cttccattta cacaggaatt 240

acaattgctg agtatttccg tgatatgggc tacaacgtca gtatgatggc tgactccacc 300

tcccgggtggg ctgaggcatt gcgtgagatc tcagggcggt tggctgaaat gcctgctgat 360

agtggttacc cagcttactt ggctgcacgt ttggcatcct tttatgaacg tgctggtaaa 420

gtaaaatgtc tgggaagtcc agacaggaat ggcagtgtca caattgtt 468

<210> 21672

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-B1

<400> 21672

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cggggtgagcg cgctcgcccc ggtggccacc ctgcgcggct cgcagtacac gctgaacctc 120

acctacgaca tgggcaccgt ccgcgtgaag tccatgtggc ccgaccccaa gatcagcagc 180

agcgtgtact ccacccgccc cgtcgcgggtg tacgaggtcg gcaaggttct cctgccgatg 240

cagatcttca agagcgaccc cccgctggcg cctgcccccg ctccggcacc ggatgccaaag 300
 gcatccgacg tcgctcccag cccggcgctcg gggaaatcgt cagcgagtgc gaaggcgaag 360
 gagaaggcgg gagagaagag ctcgctcgtgc cgagccggtg tcgtcgccca ttacttggcg 420
 atcgctgtc 429

<210> 21673
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G1

<400> 21673

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 cagacggggc ccgtcccggg tctcgccgct ccccggcgta gatttctcct gcgccttccg 120
 cggccggccc gcgtgggtgc tcgtgtccgc gagcaacccc gccaggcttg cctgggcccc 180
 gcccgggggg ctccgtgccc gcttcgcggc cgcgctagaa gccgcgcgcg gtgccccgcc 240
 cgctacgcgg cccgagaagc tgcttgtagt cttctccgcg ggtgtcggcg tggatatcgc 300
 gcggcgggcta gccgaggggt tcgaggccgc cgaggctgac ttgctcgagg agttcattgg 360
 cgactccgag gaggagaatg aacaccggtg ggttgtcgtc agc 403

<210> 21674
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G10

<400> 21674

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 ttagagacta tggcacgtag accggctgat cctgaagaag aacttagatg gatgtctcaa 120
 gaagtctgtg gttatgtcga ggctgttttg aatagtctgg cagcaaagt tccaaaggct 180
 attgcgcttt gtcaagtgga gaaagcaaag gaagacatgc ttaaccagct atacagctcg 240
 ataagcgggc aaagcaatgc taagattgaa gagctgcttc cagaggacca taatgctaag 300
 cgcataacgg agaagtacca aaaacaatca tctatcctgt caaaacttac tcgtcaactc 360

agtatccatg ataacaaggc atctgtatac tcttattcta at

402

<210> 21675
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G11

<400> 21675

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ctctcatatg tgtagaggca atttgaaagg agccatgttg cttaaaacgg tcggaagggt 120
aactttcttt ttatacatat actaaatcta ctaataactt tacacctaca gctctactac 180
attttccatt acctaactct agaatttatt ttatatactc ttacaattac tatcaataac 240
atatatatta tcacactctt atgctgatca tctttacaac aatcattaca ttttctacta 300
cacttgata tttctttctt ttacttatt gtataatttt ccatacttaa cattttt 357

<210> 21676
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G12

<400> 21676

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ccgcaggttc cccgcgtcaa gctcggcatc caggggcttg aggtgtcgaa gctgggggttc 180
gggtgcatgg ggctcacggg cacctacaac gcgccgctcg gcgacgaggc cgtggccgcc 240
gtcgtcgcgc acgccttacg ccgcgggatc accttcttcg acacctccga tgcttacggg 300
ccccgcacca acgagaccct actggggaaa gcgctcaagc agctgccgaa ggagcaagtg 360
caagtggcca ccaagttcgg gataagtcaa ggcccgctg gcatgaccgt gtgcggcacg 420
cccgaaatcg tacgcgcct 439

<210> 21677
<211> 411

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G2

<400> 21677

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tggcgtttgt cagccatgtg aggcttccca acataaagat ctgtgcaactg cttcttgcct 120
gcttggtttgt gtatgatatt ttctgggtgt tcttctcaga aagggttcttt ggagcaaagt 180
tcatggtttc tgttgccact cagaaggcat ctaatcctgt tcacacagta gcaaataagc 240
tcagcctgcc tgggttgcaa ttgattacaa aaaaagctgg agcttccagt caagcttgta 300
tttcctaaga atttggtggg tgggattggt ccaagaagca atcctgggtga ttacatgatg 360
cttggccttg gaaaccatgc cattccaggg atgcttctag ctctgggtact c 411

<210> 21678
<211> 348
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G3

<400> 21678

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accaaggcta agcgatacct tgaggatgtt attgctcaca agcaggcaat tcccttccgg 180
agatactgtg ggggtgttgg tcgcaccgcy caagctaagt cgcgccactc caatgggcag 240
ggccgctggc ccgttaaate agccaggttc atcctggatt tgctgaagaa tgctgagagt 300
aacgctgatg tgaaaggctt ggatgtggac aacctctatg tttcacac 348

<210> 21679
<211> 173
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G4

<400> 21679

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ggcagtatac tttcgaatgt cttcacttca tggtcgctcc actcctgtta gatctggact 120
 cttatcctgc attctgtact tgcctaagc atctatgatg cctgttttaa aaa 173

<210> 21680
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G6

<400> 21680

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 cggagccctc atatagttat gtgccatcaa tctttttacc acaatgggtgt aatatatctt 120
 gttcttgagt acatggaccg tggatcgctt gcagacattg ttaagcaagt gaagactatt 180
 ctggagccat accttgcagt actttgtaag caggtcttgg agggtttatt gtatcttcat 240
 catcaaaggc acgtgattca cagggacata aaaccatcta acttgttggt caaccgtaaa 300
 ggtgaagtca agattaccga cttcggagtg agtgctgtgc tagcaagctc aatagggtcag 360
 cgagatacat ttgttggaac ctacaactat atggcgctg agcggattag tggtagcact 420
 tatgactaca aaagtgacat atggagt 447

<210> 21681
 <211> 443
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-035-Q1-K1-G7

<400> 21681

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 tgcggggggc tggctacta cactgcgcg gtacggcgag ccagcgcggt gtcccttgca 180
 gcagacgtgc tctcgtcct tctctgctg ctctccatcc tcggcctact cttccgccac 240
 ctccacatct cgggtgcctgt ggatcctctt gaatggcaga tctctcanga gatggcaaat 300
 agcatagttg catccttagc caatacagta ggagctgctg agtctgtatt aaggggtggct 360

gcaactggac atgacangaa gctgtttttc aaggtgggtt ctacattgta ttttctagca 420
gctttgggaa ggggtggtgtc agg 443

<210> 21682
<211> 335
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G8

<400> 21682

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gggcattaca tcatggtgcc cctattgtgg taagctacac attgcataac atgcatgga 120
ccatatgaat cccttgccaa aaggcatgac ttcaatgcaa tagcatgaca ccaacgatga 180
gcaactcaact gctccattca gctaacatac atactctatc cacattaagg acctaacgat 240
gctatccttg ctaacgctga tgggtgcggtt catgatgagt gatgttagta atctaactac 300
gaatgactgg catcatctac cacagtctac atatg 335

<210> 21683
<211> 225
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G9

<400> 21683

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aatgtacatt gtcacttate atgtggcact taaatccctc acacattact tcatcctatt 120
tgctgactct cccttcattg ctatcaacca ttcataactt aattatcatc tcatttactt 180
ctctctcctt ttactgttta ctctttcaaa tctacatgct ttact 225

<210> 21684
<211> 298
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H1

<400> 21684

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taccaaggct aatctataacc ttcaagatct tattgtctac aaacatgcta ttcctttccc 180
tagatactga cctgctgtta ctcataccgt tcaagctaata aatcaccact tcaatgttca 240
cctcctctag accgttaaat catccagttc cattctacta tagcttaaaa atgctcat 298

<210> 21685
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H10

<400> 21685

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atgctggtgg tattgctgag atggctggaa tgagccacag aatccgtgag agaactgatg 180
ctcttgatgc tgctggcaac acaactgctg ctattggaaa ggggtttgcc attggttcag 240
ctgctcttgt gtccttggcg ctttttggtg cctttgtcag cagagctgga gtgaaagtcg 300
tcgacgtcct gtaccccaaa gttttcattg gtttgattgt tggagccatg ctttcctact 360
ggttctctgc catgaccatg aagaagtgtg gaagcgcccg cctgaagatg gcggaagagg 420
tccccaaagca gttcaacacc at 442

<210> 21686
<211> 263
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H11

<400> 21686

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ctacaacctc cttctgcgcc ccgactgcaa actcttcgtg ctgcacgtcc agccgctgtc 180
caacattgcc acgtgactca acccgcgccc catagctta agcggcccta gcggtttgga 240

agtgcccgca ttcacgctgg cca

263

<210> 21687
<211> 444
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-035-Q1-K1-F9

<400> 21687

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cggtgctcgt cctcccagcc ggagctggc gcggcggcgg cggtcctggc agcggcgctg 120
ctgctgctgg cggcgggggc cgggacggcg tcggcggcgg tgagctgcgg cgaggtgacg 180
tcgtcggtgg cgccgtgcct cgggtacgcg atgggcagcg cggcgctcgcc ctccgcgggc 240
tgctgcagcg ggggtgcgtc gctcaacagc cgtgcgtcgt cggcggcgga ccggcaggcc 300
acctgcaact gcctcaagag catgactggc cggctcggcg gcggcgtcag catggccaac 360
gccgccaaca tccacggcaa gtgcggcgtc tncagcggcg tgcccatcag cccacacgtc 420
gactgcacca agatcaactg atcg 444

<210> 21688
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H12

<400> 21688

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gtctgcgaca atggcaccgg aatggtcaag gctggttttg ctggggacga tgcaccaagg 180
gcggttttac ctagcattgt tggccgtcct cgccacactg gtgtcatggt agggatggga 240
cacaacgatg catatggttg cgatgaggca cagtccaaga gaggtattct cagcgtcaag 300
tacccgattg agcacggtat tgtgagcaac tgggatgaca tggagaaaat ctggcatcat 360
actttctaca acgagcttcg tgttgacca gaggagcacc ctgtgttgct cactgaggct 420
cctttgaacc caa 433

<210> 21689
<211> 283
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-H4

<400> 21689

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gaaccttaac ccaaacggca tgttcgcact gcagagcgag gatgtcaagc tcgtcgccgt 120
caactacccc ttcatcacca cggattacat gacctacatg ttcaagtacg acaccgtgca 180
ctgccaatTT aagcacatcg acatcacctt caaagactcc aagacgcttc tcttctgcta 240
gaatccggtc accgtctttg gcatcatgaa cccctaagag atc 283

<210> 21690
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E10

<400> 21690

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gcggtggctc cggctcctgc tgctgctgct gctccccag ccgctccgc ccggagcacg 120
ccgccggcgc cgacgccggc gcgtcgcatg gatatggccc ccgcgtctgt ctacttcaat 180
ccgcgctcgg tcgaggaaat cttcaaggac ttctccggcc gccgcgcggg gctcgtccgc 240
gccctcacct ccgatgtgga cgatttctgc agcttgtgcg acccagataa ggagaatttg 300
tgtctctacg gccttcccaa cgggagctgg gaggtgtcgc c 341

<210> 21691
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E11

<400> 21691

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ttaattcaat ctctcacttc tttttctacc aaactattat aacacttcct tcaaattttt 120
 atttctatta ttctacctt ttgtttcatt tattctacca catcatatct tccctattta 180
 acttttacat tactaccttc acaaatctta ataatccaat caacaaatct ctatacttct 240
 ccactcctat tttctctatg atcactctta aaccattatc tcattaccct tcatccaccc 300
 aaattttaaa acccactggt cacataaata t 331

<210> 21692
 <211> 283
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E12

<400> 21692
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 caattagcaa tggctcttaa gtttgtgcaa tatcacaatt ttcttaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aataaaaaaaaa aaaaaaaaaa caaaaaaaaa aatttacaaa aaaaacccta 180
 taaaaaataa acacataaaa caaaaattat taaaccattt tccaaaaaaa aaaaaaaggc 240
 tgccctttttt aaaagacca agtttaaaca cccctttatat caa 283

<210> 21693
 <211> 210
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E2

<400> 21693
 tttcaccata ctacccttca actactgttt cctccatca actaccctcc tgccgtcgga 60
 tttctaccat ccgtagggct accctactca ctactctcat actcctctc cacatcatca 120
 tcttatcatc cttccttcct tcatttacac atactacatt cttttctata ccactttctt 180
 gcacttcac ccttcattaa ttaatcctaa 210

<210> 21694
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E3

<400> 21694

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ggggacaata tagatggaga agtcagcaac caagtgttgg caagcatgct ctatcttgac 120
agcattgata attccaaaaa gataatgcta tacattaatg gaccaggagg agatcttact 180
ccgtgtatgg cactatatga taccatgcta agtctaaaaa gtcctattgg cactcactgc 240
ttgggctttg cattcaacct ggcaggattc atccttgacg ccggtgaaaa gggttcacgc 300
actggtatgc ctctatgccg gatttcactc caatcacctg ccggagcagc tcgaggacaa 360
gctgacgata tagaaaacga agcaaacgag cttatccgca tcaagaacta tctctatggc 420
aagcttcgcg ggcacacagg ccattctgtc gagaa 455

<210> 21695

<211> 103

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E4

<400> 21695

ctaagcttac cactctatac acgatccaac tttatttacg cctgcatgct acctcatatc 60
tggtctgatt ctacacttag tttggcttca ctctccatca etc 103

<210> 21696

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E5

<400> 21696

gccaaggtg tccacaacga ggaaggcgac tcggatcaca ggcctacat gaaaccggc 60
tgcttcgacg cgcgcatcac tacgttggc tggaaccagg ttgacctcct gcgagagcat 120
gtgaaggaat ctgggcttgc ggataagatt gagctggtta tttgttctcc tttgtcaagg 180
accatgcata ctgcagtggg agtttttggg ggctaaagct gcagtaatgg tgtgagtgtg 240
cctccactga tgggtggagaa tgctggacgt acggcagtct caagtatgaa ctgaccacca 300

tctctcgctg ctgaggcctg caaggagcgc ttgggtgtcc atccttgtga caagaggagg 360
 agcatcacac agtaccgtgc tctcatacct gccattgatt tttcgctgat agagagtgc 420
 gaatatgttc tatgggtacc agatgt 446

<210> 21697
 <211> 420
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-035-Q1-K1-E6

<400> 21697

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 cgtcangttc catcagtacg aggtgggtggg gcgcgcgctg ccgacgcccg gcgacgagca 120
 cccaagatc taccgcatga agctctgggc caccaacgaa gtccgcgcca agagcaagtt 180
 ctggtacttc ctgaggaagt tgaagaaggt taagaagagc aacggtcagg tcctggccat 240
 caacgagatc ttcgagcgta acccgacgac gatcaagaac tatggcatct ggctgcgcta 300
 ccagagcaga accggctacc acaacatgta caaagagtac cgcgacacaa ccctgaacgg 360
 cgctgtagag cagatgtaca atgagatggc ttttcgccac cgcgtgaggt cccctgcat 420

<210> 21698
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E9

<400> 21698

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 ttcattggagt ggatcgacac gcacacattt tcaggacgct gatgatggaa cccctttgca 120
 acatcaaagt tcaacagagc aatcaacaca gttgtagttg cttcccagca tatcaaccaa 180
 caattgaatt gaatctgtca atctgttgtg taacattagc taatatctgt tcgaaacctg 240
 ttgttaaatt gtatcagtag tgtaacagtt gctgagatct gttcaaaaac tgctatcttg 300
 catttgtccg tgaatcacia a 321

<210> 21699
 <211> 303
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-F10

<400> 21699

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 tccgcaaggc aggcaagatg tacaacgcgc cgtcggccca ggagatgtcc tacttggagc 180
 acgtgcagag gcgccacgag gagaagggct gcctctacgc ctgcatcttc actgcgctgt 240
 gctgcttctg ctgctacgag acctgcgagt gctgcctcga ctgcctctgc tgctgctgca 300
 act 303

<210> 21700
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-F11

<400> 21700

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 ggggacgttg tcttggttaa agaccagag aaatctggca attttgttat tcgacgactg 120
 gctgccctgg aaggctatga gatggtctct aatgatgaga aggatgagcc gtttgtgctc 180
 gagaaagacc aatgctgggt cctggcagac aacctagtcc ttaagccaaa ggaagctaga 240
 gatagccgct tgtttgacc tgtcccaatg actgacatcc ttggcagagt gatatactct 300
 ttaagaaccg ctgttgatca cggcttagtc gagaacagcg gcatggccac gaaactggat 360
 ggtccagtac tggcagtgga gcttgatgtg gaagagttgg cgaagaacaa taaggcgtag 420
 acacttgatg ttttcgacat g 441

<210> 21701
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-F12

<400> 21701

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tcttgagctg ggtcttcgcc acgggtatcc tggagatgag gaggagcggc gtgggcatcg 120
acgagtgggtg gaggaacgag cagttctggg tcatcggagg catcttcgac cacctcttcg 180
acgtcttcca gggcctactc aaggcgcttg ccggcatcga caccaacttc accgtcacct 240
tcaaggcctc ggatgaagac ggccacttcg ctgagctgta catgttcaag tggacgacac 300
ttctgatccg cgccaccagc aatctgatca 330

<210> 21702

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-F2

<400> 21702

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acagttgcac gcttgacacac cgttacaggt gaacagtcct aataccagta atcatgatat 120
atatacagga catggacatg tcgtgcaatg tataattggt acatgcatgt atttttcagt 180
tctactactt atcgtctttt ttcttctccc ttgggttctt ttttcaacga acacagtctt 240
tgacgcattc tttttctttt tctttttttt gatattttat caatgtttta gcaagcagag 300
cagtgtggat actggatatg caccatgt ctttttttgg ctgctcggca agccagcctg 360
atcaggtcag cgcgttggcc aaatggcgcg agaacgggaa cagccaaacc tgtatgatat 420
gcgtg 425

<210> 21703

<211> 104

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-035-Q1-K1-F4

<400> 21703

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ccagtggatg atgtccttct acagtgtaca atgatgctcc agaa

104

<210> 21704
<211> 450
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-035-Q1-K1-E1

<400> 21704

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cggcgcaggg ctaccctccg cagggtacc cgccgcagta cgcgcagccg ccgcctccac 120
agcagcagca gagcagcggg ccttccttca tggagggatg gtacgttctt ggctccccca 180
cttttgtgcc gcgcagccgc tcataagttg ttcttagatc ggagtgtctt cgaaaatttc 240
ctcgttaggt tagatggtag gcaccttctt tcggctcacc ggcggcggcg gcgactgccg 300
tgctggtgcg gcacgttggc ccctgtgggt ggggtggggtc tggacttgac gcgtgaacca 360
cccttggaag agggcgccgn cgnacgcca cgccacgcca ccctcggtgc cttccgtggc 420
gacgtgtcng ttgctacacg caaaggtagg 450

<210> 21705
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-035-Q1-K1-F6

<400> 21705

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cgggcgcact tccgctctcg agaaccgccg gcgtcccttc gcatcgctcc tctctccgcc 120
gactccaaac cctaaccgcc gcgcttacct cctcgctccc tcaggccatg gcgtcgctcc 180
ctacccccaa gaagggtgctg gtcccgatcg cgaatgggac ggagccgatg gaggcgggtca 240
tcaccatcga cgtgctccgg cgcgcggggg ccgatgtcgc cgtegttcc gtcgagccgg 300
gggcgacgtc cgtagctgcc tcatggggca tcaagcttac cgnacgccc ctcctcgccc 360
acctcgccga cgatgagttc gatctcatct ctctaccggg aatgcctggg tcttcgactt 420

ttggagagtg c

431

<210> 21706
<211> 182
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-F8

<400> 21706

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gaggggtaca catatatgag gggtaaagct ttctcaacgc aagtcatggg ggaagacttg 120
ctgatgataa ccgcaggcac ggatgagacc atgatggacg aaatatatat gcgaataggg 180
ca 182

<210> 21707
<211> 209
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-001-Q1-K2-B3

<400> 21707

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gatggagaga ttgcatagtc ttgaggagga acacatgaat gctcttcaga gagcacagac 120
cctggatgaa actcatgctg ctgacctgtc tgaagaggag attcatgagg atagcactga 180
aacatcctct gataactcata tctaaacaa 209

<210> 21708
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-001-Q1-K2-D11

<400> 21708

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gctgctcggc ttgcgagtgc gactccacct ccggctcaca tcctcagcag aggcatggg 180

tggcagggaa tcggcatcct ccttgacggg ctctttggaa cggggactgg ctccactgtc 240
 tcagtggaga acgtcgggtt gcttgggtcg acaaggatcg ggagccgacg ggtcatacag 300
 atctcagctg gcttcatgat ctttttctcc atgctgggga aatttgagc cttgttcgct 360
 tccatcccgt tcaccatctt tgcggccgtg tactgcgctc tggtcgggct agttgctgcg 420
 gtggggc 427

<210> 21709
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-001-Q1-K2-H1

<400> 21709
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 ctggcagcct ggcatgcttg acatcaaaca cactgcgac tggcaccaaa gaccttaaac 120
 caagcacaac gccgttgaaac tttaacagcc tatcaaagca agctccaaca tcagggagat 180
 gtttaggtat cctacccttg tccgttcctt cttttatcaa gcaatcgttc cttcttttat 240
 caagcaaagt ttacttcgag taatacttga attaaagggtg tcggtttaca acaagtgcag 300
 ctggtaccca cagaagaaaa ggcaccagtg ctgctatgtc tccccaatcc aaaactgtca 360
 aatatgcctt cggcgtcggt gattccat 388

<210> 21710
 <211> 346
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-002-Q1-K2-A1

<400> 21710
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 ccggccgacc gacgccgagg ctgcgcgccc tgcgccggga tcgagagggg aaagggaagg 120
 ggaccagccg gctcgcttgg aggctggagc tcgccccggc gggcccatgg ggggacgcct 180
 ggtgtccatg ctccggtggc cgccggacct gggcctgccc agcctggccg cgctgctccc 240
 cgcgccgccc gcgcacctcc ggggtccaggt ccaggagtgg tggcagtggc agcggtcgcg 300

gccccgagcag ctgggcgcg cggcgcggcg gtggcccgag ctcggtg

346

<210> 21711
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-002-Q1-K2-A5

<400> 21711

tgaaaagtag cacgtctcag aaagatctcc aaaagcctaa tgcttcagag cttccttcac 60
aaggaaaagc tgcatacagaa ttgacacttg atgggtggga tagtattgct ctggaatatt 120
ctattgactg gcctctgcag ctcttcttca ctctgatgt tctgtccaag tatcgcaagg 180
tttttcagta tctcatccga ttgaagagga cacaaatgga acttgagaaa tcctgggcag 240
ctgtaatgca taaagaccat gctgattttt ctgattattg caaggatcgg aaaaataact 300
ctgcaacaca actgcgtcga caacggtcta agcctttgtg gcgagtaagg gagcatatgg 360
cattcttgat cagaaaccta caattttac 389

<210> 21712
<211> 376
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-002-Q1-K2-C11

<400> 21712

gtccgaaaca tattactcaa caaactctgc taaaagctaa gccacagttg aaacacaacg 60
ttcttcaaca tgtacagctc tacagctgat tctattctca actggttgcaa ggtttccaga 120
tagcagggca cacaccattc tgacacacgc aaattttgct tgttaagtgt tacatgatcc 180
aggggcctaa caattgtcaa gatccaagga gtttctagtt catctaccaa ggttctatat 240
atcctgattg aatgaagtcc gatatgacat atgggtgaagg agatatcacc ctgatgggat 300
ggctgcccgt ctatgcccg gctgccgcg tcctggtcag ccagatccga taatttttaa 360
cacgataatt ttaaac 376

<210> 21713
<211> 413

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-002-Q1-K2-C12

 <400> 21713

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 ttgaaacgtc aagatgggta atttcggaaa gaaattgatg gctgatcaag tggaagaatg 120
 gaaaggatac tacatcaatt acaagctgat gaagaaaatg ttaaagcgat atgtccaaca 180
 gactcaacat gatgggaaag accgcgaaca agttcttaaa gacttttcaa ggattcttga 240
 tgaccagatt gaaaggattg tgctttttct gctacaacaa caaggccatc ttgctagtag 300
 gattgaggaa ttgngagaaa aacgcactgt tcttctggaa gagtatgaca tatcacaagt 360
 ttatcagcta catgatgcat acagaaaagt cgggcttgat ctcataaagc ttc 413

<210> 21714
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-002-Q1-K2-E10

 <400> 21714

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 tgcattctgg ttgatggata aggatatgta tgatttcatg gctctggaca ggccttcaac 120
 gcctcgcacg gatcgtggga tagcattaca taaaatgatt aggcttgtca caatggggtt 180
 aggaggtgaa ggctatctaa atttcatggg aaatgagttt gggcatcctg aatggataga 240
 ttttccaaga ggtcctcaaa gtcttccaaa tggctccgtc attcctggga ataacaatag 300
 ctttgataaa tgccgccgta gatttgacct tggagatgca gattatctta gatatcgtgg 360
 tatgcaagag tttgaccagg caatgcagca ccttgaggga aaatatgaat tcatgacatc 420
 t 421

<210> 21715
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-002-Q1-K2-E12

<400> 21715

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gactaccaca gctttgttca tgggagggtg tcttatgaca aaatcaagcc tgatcctgtg 120
cttaggaaca tcctcctcag cttaccatt cgcaaacttg tgttcacaaa cggtgacaga 180
acacatgctt caagggccct caagaggctt ggcattgagg attgtttcga aggagtcgtg 240
tgctttgaga cactgaaccc gacatctcct gctactcctg tcccagctca tgaacttgaa 300
atctttgatc taatgaagca tctggctcat ccacagcccg cggtgcagct accataatca 360
cctatcctat gcaaaccgtc aaggagggcc atgctgcagg ctct 404

<210> 21716

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-002-Q1-K2-F6

<400> 21716

aatagaatga tggtgagtag gtcagtagaa aaacaataat tatcctctag ggatgagcaa 60
acacataaca gaaaccatta ctaaccaagt aaaattacat gagagtacac atcaaacctg 120
ttaacattca aggcattaga acctccatct ggaatccaga ttctggatgg tcatgtacat 180
caatggtcag cattccatca aatttactag agatgtcatt tgtttgttta acatcattac 240
tgtcctttgc acgtccagaa accttcacag ttgtcgtata tccacaatgc ttgacaatca 300
ccaccccgag tggtgaagaa tcctggatgc atataaagag aggcattgcaa tatccatagc 360
accggtttga cag 373

<210> 21717

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-002-Q1-K2-G6

<400> 21717

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tagtcatcca aagttcatca gtgatactaa agtcgctata gatgatgctt ataaaagcac 120
cgacagtcaa ttcttagaat ctgacagtag tcaaaatcaa tgcgggtcaa ctgcatcaac 180
tgctgtactt gttggtgac gtctcttcgt cgcaaatgtt ggtgactcta gggctatcat 240
atgcagggaa ggaaatgcta ttgctgtttc aaaggatcac atgcctgac aaactgatga 300
gcggcagcgt attgaagatg ctggacgttt tgtgatgtcg gcaggaacat ggcgcgttgg 360
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<210> 21718
<211> 443
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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gtcagcacct cgcggagcac gagcttcagt ccctctgcga atatgtgaag gagatcctca 180
tcgaagagtc gaacgtgcaa ccagtgaaca gccccgtgac ggtttgcggt gatatccatg 240
ggcagttcca tgacctaatg aagctcttcg cgacgggggg ccacgtccca gagacgaact 300
atattttcat ggggtgattnt gtggaccgtg gcttcaatag tctagagggtt ttcaccatcc 360
tattgctact aanagcgagg tatcctgcac acattaccct tctgcgtgga aatcatgaaa 420
gtaggcagtt gacacaggtg tat 443

<210> 21719
<211> 272
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-003-Q1-K1-D11

<400> 21719
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gtggggtcct tatgtctcctt gctctttcta catgtgttgc taacgcgaca attttcctc 120
aatgctcaca agcttctata gcttcccttc tttccccata cctttcatca attatagctt 180

caataatgga aaacccact tttcaaacac ttagggctta accaggcatt tgaacaaggc 240
acataacctt aacggccttg gtggtttaac ca 272

<210> 21720
<211> 83
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-003-Q1-K1-F8

<400> 21720

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aaaaaaaaa aaaaagggga gga 83

<210> 21721
<211> 411
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-004-Q1-K1-A11

<400> 21721

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tattgctttg atgaggagaa ggatactaca gcgtgatgtg gagatagagg ttgaagcagt 180
tgaccaaacc aggaacattc ataggttcgt tgtgggagtc caagaccaac atgggctctg 240
tacttctgga agctgggctg gcgaagctga gttcttttgg cttggatagg atgtcagatg 300
ctcatgtcct aacaagagct gaacagtttg cgaagcaaca aaagattaag atatgggaga 360
actatgtcga gggtgagaat gttcanatg gatccacacc tgaatcgaac c 411

<210> 21722
<211> 171
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-004-Q1-K1-C5

<400> 21722

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 gatgagcacc ttgcgcatgt ctaatctact aacctatgtc ggacaacttc a 171

<210> 21723
 <211> 222
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-004-Q1-K1-D2

<400> 21723

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 taacgtgacg aggtgcgcaa cggtcttgga ggaggctggc tccgactacg agatcgtgcc 180
 catcaactga gtcaccgacg agcacaagag ccccgagcac ct 222

<210> 21724
 <211> 262
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-004-Q1-K1-G4

<400> 21724

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 acttgatat cccaattaaa aggggtacat tcatagagtt ccgaagtgga atgattaatg 180
 tatctcctat aggaagaaac tgtatccaag aagaacgtga tgaatttgag aagtacgata 240
 aggtgcataa catccgacct ta 262

<210> 21725
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-005-Q1-K1-A1

<400> 21725

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 cactaaggct ctgcagttg gtgcagaaat ctcatttgat tctgccactg ggaacttcac 180
 caaatacaat gctggattga tgttcaactca tgaagacctt atcgcatccc ttaatatgaa 240
 caacaagggg gacaacctta ctggagctta ctaccacaag gtgagcgaat tgacaaacac 300
 agctgttggg gcagagctta cccacagttt ctgcaccaat gaaaacaccc tcacctttgg 360
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 ag 422

<210> 21726
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-005-Q1-K1-D7

<400> 21726

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 ttatggattt gcaattccct aatgggcaac taacatatgt tgctggtgag gggatatcag 180
 ccagtgggtt tcttccgtta tttggtgggt tgcttcaagc tcaaggaaaa tatcctggag 240
 aaacaagagt gagcttttct tgcaagaata agcgtggcac agggtttact cctatgtttc 300
 aatggcctga caagtctgtt tcgttaggag ttcctcaagc ctt 343

<210> 21727
 <211> 155
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-006-Q1-K1-A1

<400> 21727

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 cagatttggtg gtggtgtagg agttgtatgg ttaagactta taagacttaa gacttatgta 120
 tcgtgtgggt gagagttgaa acttatttgg ggatt 155

<210> 21728
 <211> 469
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-006-Q1-K1-B8

<400> 21728

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 ctggacgagg gcctggacgt gccgcacgac tgcaagctcg gcgtgtgcat gacgtgcccc 120
 gcgcgggctg tctccgggac ggtggaccag agcgacggca tgctcagcga cgacgtcgtc 180
 gcgcgggggt acgcgctgct ctgcgccgct taccgcgct ccgactgcac catccgcgtc 240
 atccccgagg acgagctgct caaggctccag ctgccaccg tcgacgactg actgacgctc 300
 cgctgatgac cagcggaccg gccagcaggc atcaacctcc ggcggtgtaa tgatgtccct 360
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<210> 21729
 <211> 288
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-006-Q1-K1-D2

<400> 21729

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 aggctgtgca gttttgagct tgtttcttga gtcgtttcag acagtttttt cagttttctg 120
 tgcagacatg tgctcgtctc tactttgtca aaaaaaagat agaattattc agactgcagt 180
 tttcagcttg tttgttgatt gggtttattg agttttcagt tttcaaaaaa aaaaaaggca 240
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<210> 21730
 <211> 226
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-006-Q1-K1-E3

<400> 21730

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atgcggatgc cggagaggtg gcgatggctt gtaatcaagg atctgccgcc gtacgtccct 120
tgacgactcc tcttcccgtg gtcggaggat gagggatcgg ccaagaggaa atgtttccat 180
tccgaaagct tacacgcta atgctgcttc atccacaaca aagaat 226

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<210> 21731
 <211> 313
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-006-Q1-K1-E5

<400> 21731

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tggttgtgca taccaaaaaa ttgggaagat gtaatgaagc cctgtaagcc tgtactgtgg 120
ctgtgttgtc acttaacaaa cattcatgct tcagctaacc gtcagccgtt cagaattggt 180
tactagtgtc gtgaaaactc ttgctggatc tgatggccga atgagttggt ttcagcaact 240
tgacctgtgct cggacatccg ctgctgacac tcactacaac cataaggggt ggatttgtac 300
ggcgacgatg tgc 313

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<210> 21732
 <211> 248
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-006-Q1-K1-H1

<400> 21732

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ttactgtttc ctggaatcat atattctgct tgccatttgt tgtgattttc ggtgccaaaa 120
ggttactggt tcttgaacaa gtactagctt catattataa ttacaggaaa caataatgat 180
aatatgtatc tagtactcga tcatgaaatt gaacagctac aatgctactt gtctaataa 240
gaaactcc 248

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<210> 21733

<211> 98
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-006-Q1-K1-H6

<400> 21733

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cagaagtgtg acgtgccgga aaaaaaaaaa aataaaaaa 98

<210> 21734
<211> 249
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-007-Q1-K1-A1

<400> 21734

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tttgagtgcc ctcaatgggtg tcaaggtgtg gactcaagtc aatagcttcg ctgttctgat 120
gatgctctgt ggaaactcga atcctttcca cctgaaaacc aagtagtatg tcttctagtgt 180
ctggaattaa ccctagtgtgca tatatacata tgaaataaaa aaaaagccaa aaggaggagt 240
aacttattt 249

<210> 21735
<211> 162
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-007-Q1-K1-B8

<400> 21735

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gtccatcaaa atatctgtgc tccgctttat ctcttggag aaaggactcc cctagatatt 120
gaaccacaga ataactatgg aataactgag tacccaaacg ca 162

<210> 21736
<211> 167
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-007-Q1-K1-B9

<400> 21736

tacaactccc caaacgggat ggcctgtcc ggaggcgcgc agaccgtgcg catgaacgcg 60
ccgagcgtgg ggggcagctt cgccgtttgg ggcggcctct tctccacctt cgactgcgcc 120
atggtgtacg cgcgccagaa ggaggaccct tggaactcca tcgttgc 167

<210> 21737

<211> 302

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-007-Q1-K1-F9

<400> 21737

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cgtagcggtc ggcgtggtgg ccgcggtgct gctgctggca gcggcggcga cgacctcgga 120
ggccgccatc acctgcgggc aggtgagctc cgccatcgcg cctgcctct cctacgcccg 180
cggcacggng tccggcccct ccggtcctg ctgtagcggc gtcaggaacc tcaagagcgc 240
cgncagcacc gncgncgaca ggcgcgccgn ctgcaactgc ctcaagaacg ccgccagggg 300
cg 302

<210> 21738

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-007-Q1-K1-G12

<400> 21738

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taagaggaca tgtactcgag atggccttaa tagctaccgc caaccaagaa ctcttcggc 120
accttcataa atcaagtcca gctacaagct gcggcggcgg cggcgcactg tggctgggtg 180
cagtctcagc aacagcaagg tactgtggct cagcagccgc cgccgccgtt caaccgcagc 240
cgtacgggcc atacttgaag caacagtaaa tatgacatta ttacactaga atcacggaac 300
gacaggagta aaacggcaag agtaggctta tgca 334

<210> 21739
<211> 301
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-007-Q1-K1-G5

<400> 21739

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ttgggatgga agctgctggt atccacgaga ccacctacaa ctccatcatg aagtgcgacg 180
tggatattag gaaggatctg tatggcaaca tcgtcctctc cggtggtacc actatgttcc 240
ctggcattgc tgacaggatg agncaggaaa tcaccgccct ggctcctagc agcatgaaga 300
t 301

<210> 21740
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-008-Q1-K1-A2

<400> 21740

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ctcgacggag caccgcgcga cgtactacga ggacatgcag cgcgccatct tctgcctgtg 120
cccgtgggg tgggcgcctg ggagcccgcg gctggtggag gcggtggtgt tcgggtgcat 180
cccgtgatc atcgcggacg acatcgtgct gccgttcgcg gacgccatcc cctgggagga 240
catgagcgtg ttcgtggcgg agcgggacgt gccgcgcctc gactccatcc tcacctcat 300
cccgtgccc gacatcctgc ggaggcagcg cctgctggcg agggactccg tcaagcgggc 360
gctgctgttc caccagcccg ccaggcccgg ggacgccttc caccaggtgc tcaacgggct 420
ggcgcgcaag c 431

<210> 21741
<211> 348
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-008-Q1-K1-E12

<400> 21741

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cccgggccgg cgcgatggct gccgcggccc gccgcggccc cggggcgctc ctccctcgagg 120
cgctcctcct gctggcgctg gtcgtctccg ggcactgcct ggacgcgcac caccgcgggc 180
tgaagcgccg ccggcggaag cacgagattc actctccgat caagacgggtg gtggctcgagg 240
tgatggagaa ccgcagcttc gaccacatcc tcggctgggt ccgccgcacc cggcccgaca 300
tcgacggcct caccggccgc gagtccaacc gcctcaacgc ctccgacc 348

<210> 21742

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-008-Q1-K1-E3

<400> 21742

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tcctgagagt cgcgtgagca gcgaagcagt tcacggatgg ttggatggag ggcaatgacc 180
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gaggcgaggga cagagaccgg caagtcagaa atcggcaata gtgaactcca gcaagagcct 360
acttgacttc cttatttacc cgttttaaag ttcccttctt cgtgctgttc ctgctcttcc 420
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<210> 21743

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-008-Q1-K1-E4

<400> 21743

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 gacgccggcc agggcgcggc gaccggcgcc tcgcggtcgc agctcgtcac gcggtctgat 180
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 tcctaggtag catatcttag cagacgaacg agcttgtcac gctccagcgt cggattcagc 360
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 gaggatcat 429

<210> 21744
 <211> 407
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-008-Q1-K1-E7

<400> 21744

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 catgaacact gctagtgcgg tcaccgtcag gagcacgac cgccgcctga gggagcagac 180
 tgaagcatga tatagctctt tatattattg gggtttcttg tagttgctct tgtcaagcat 240
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 aatgctcctt atatttggtt tatgccttta ggacctaaaa gtgggggtgg gaaaattggc 360
 cttgggtacc ggtcttgatt ttgccaatgg atattgatcc tgntgcc 407

<210> 21745
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-008-Q1-K1-G2

<400> 21745

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 gagagcgtgt tgattttgat ggcactggct agcaactcag aggaactctg cggtttttctg 360
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 atttgacacct gatga 435

<210> 21746
 <211> 279
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-008-Q1-K1-G5

<400> 21746

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 gatgagctca tccttgacgg aaacgacgtc gagctcgtat ctcgctccga cgacctcatc 180
 aaccagaaat gccatgtgaa gaagaaggat atccgaaagt ttttggacgg tatctatgtg 240
 agcgacaagg gcgtcatcga agaagaacaa tgagcgaca 279

<210> 21747
 <211> 352
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-008-Q1-K1-H10

<400> 21747

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 tctgactaca gtccagggtc tgaagaatga gttcagctat aacaagatcc tcaaggatct 240
 gaagaaggaa ttctgctgca atggtactgt agttcaggac ccagagctag gccaggatcat 300
 tcagctccaa ggtgatcagc gcaagaatgt tgctactttc ctagttcagg ct 352

<210> 21748
 <211> 369
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-009-Q1-K1-B5

<400> 21748

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 gacatggtgg aggcgagcga gctggccaac accgtcgagc acccgttccg gaacatcctg 240
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 acgggcatca actccatcct cttctacggt ccggtcctgt tccagagcat gggtttcggc 360
 gggaacgcg 369

<210> 21749
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-009-Q1-K1-C1

<400> 21749

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 acaacatgga agaattgaga aattgactga tgaattaagc agaaaagatc aagaaattga 180
 aggtttggtg caagcactcg atgaagaaga aaaagagctt gaaatcttgg agaataaaag 240
 ccttcagttg gagcaaatgc tgcaagagaa agaatttgcc ttgaagacct cagaagtttc 300
 taggaccaa gctttggcaa aacttgcaac gactgttgac aaatttgatg agctgcatag 360
 cttgtctgag aaccttcttg ctgaagtgga aaaccttcag ttgcaattgc aagaaagaga 420
 ttctgagatc tcatt 435

<210> 21750
 <211> 362

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-009-Q1-K1-D12

<400> 21750

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cgctcgtcat caacaaagac gcggacggcg gcagctacaa gcgggcgag tcgatgccgt 180
cgaccccgac gacgccggtg acgccgtcgt cgctcgacgtc gtcgacgacg cctctcgtcg 240
ccagccacgt gcggcacacc gttgttcagc acgcgtgcag agtagctagc tatggcatct 300
acgcagaccg tttcaaccgg catcaggata gatggaccag cgactacgac tgactctaca 360
gc 362

<210> 21751
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-009-Q1-K1-E7

<400> 21751

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aagcttgatt ttaaagggtg aaatgttcat attataacaa gcaatgaggg ctgggaccag 120
aagattgcag aagcaaacag agatgggaaa actgttggtg caaatttcag cgcttcctga 180
tgtggggccat gccgtgtcat tgctcctgtc tatgctgaaa tgtcaaagac ttatgctcaa 240
ctcatgttct tgacaataga cgttgatgac ctgatggact tcagctcttc atgggacatc 300
cgtgcaaccg cgacattctt cttactcaag aacgggcagc agatcgacaa gctcgtgggc 360
gcgaacaaac ctgagctcga gaagaaagtg ctagc 395

<210> 21752
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-009-Q1-K1-F1

<400> 21752

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 cgccggacca gcagcggctg atctttgccg ggaagcagct ggaggatggc cgcacccttg 120
 cggactataa catccaaaag gagtctacgc tccacctcgt gctcaggctc cgcgggtggca 180
 tcattgagcc ctgcgtgcag gcgctcgtc gcaagtacaa ccaggacaag atgatctgcc 240
 gcaaagtcta tgcacggctg caccctaggg ctgtcaactg ccgcaagaag aagtgtggtc 300
 acagcaacca gctgagggcc aagaagaaga tcaagaactg aggtgttgct gctagtcagt 360
 ttcattggaca at 372

<210> 21753
 <211> 344
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-010-Q1-K1-A2

<400> 21753

taccagaaga tcttcaaggc cgactaccat gtgccgcctt ggtctccgg ctacgcgcgc 60
 gtactcatcg cgcgcctgct cgctcgtcgc cccgccaagc gcgcctccat cgccgagatc 120
 atgtgcactc cgagactcag gaagggcttc gtgccgccca tgctttctcc cacagggaca 180
 cccaagaaac aacagctcga cgaaagcact ggcctcttcg acaacgacga cgactacaac 240
 agcaacagtt accactctgg caccacctcc actcgatcat gcaacgcgtt ccagctcata 300
 tgcgccatat cctccaggtt cgacctgtcg gggctgttct agag 344

<210> 21754
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-010-Q1-K1-A7

<400> 21754

gaaaaactca gcacaaacat tcaaattgtc ggatgttcaa attcttcgaa aatgttcaga 60
 ctttagacaa aaagtaactc taatagcagc ttcacacacg cacaggggac aactccgaaa 120
 ctgactgggc agaagactta acacggtcga aaagctaaag cctatgggag agcagcaacc 180
 ggtgctggag atggagctgt agcagcagca ccaggaccag ggcggaggcc tccttgtcca 240

ccagcaggcc taccctacct gcgcctgaag cgctccggcg gcttgcgagc cctgcgcttt 300
 tcacgggatc ggacgcggac gatgtgagcg tggatcgcg acgagacgca gtggtgcacc 360
 ttggcgtaga gcttcgggag gacgt 385

<210> 21755
 <211> 359
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-010-Q1-K1-D4

<400> 21755
 ggcgaaaata gttgtcacag tcgattcgta tgatgaaccg gcgatgaaaa ttatcacaac 60
 gactggcaat gaaaaccatt tcttacaaaa acagcaccgc tacagtaact taccgagaag 120
 ctgaggctgg cgtgagcggc ggttacaaa cacaccacac cctatgagct agcgtgatag 180
 gagagccttg tggcactggc agctgcggca gtgcttctcc ggtgcgttct tggcgtggaa 240
 gtaccatccg gagagcatgt cgaagaggat cccggctccg acgccgacgg ccaggctgat 300
 ggtgtagtgt cccctgcacg ccagcagcct gacccctgg agcacgttga gcgcgtcgt 359

<210> 21756
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-010-Q1-K1-D9

<400> 21756
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 ggggcgtggc ccgggaactg ctccctcttc agctacgacg acctccgcgc ctacctcgag 120
 tcgcaggaga cggcggccca ggcagacggc cagcagcgcg gcgtggcgct cctgagcgag 180
 accatgtcca caccgtgct ggtggccaca gcagaccaga ccctggagga cgtcgagtgc 240
 cacttcgagg ccgtgtcggg gcttccggtc gtcgacagcg gcctcagatg cgtcggggtg 300
 atcgtcaaga acgaccgggc aagagcctgt catgggtcca agacgaagat atcggaagtg 360
 atgacatctc cagctatcac actatcgtct gacaaaaccg tgatggatgc tgctgntctc 420

atgctcaaa

429

<210> 21757
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-010-Q1-K1-E10

<400> 21757

cggacgcgtg ggctgaaaca agaccactag aaacaagttg aagcatcttt gcttaggtga 60
agggaatcgg aggagaaagc aaagcttctt gttgaagaga gagatcgctt gcttacagag 120
agagattccg ctcttcaaga agctcagatg tggcgctcgg agctaggaaa agctagagga 180
aacgctgtaa ttctagaagc ggctgttgct agagccgaag agaaagctag ggtctcagca 240
gcagatgctg acatccgcat aaaagaagcc atgaaccgac ttgagtctgc caccaaagaa 300
aaggaggatc tcctagccct tgtggatgct ctacaatccc aaatacaaag gcaagagact 360
agcacgatac aggtctgcga agagagctcg gaactctgct cgactgcctc gaagcacatg 420
gaggatga 428

<210> 21758
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-010-Q1-K1-E12

<400> 21758

tccgtctcgc gtgacttcat tcccagcgtc cggcggcgac ctccacgtgg tgccattggc 60
cggcaacgag caccgcacca ccaggatcca ggtttgtgct gcgagagcgc ctatccattc 120
accatgatta atttcgtgct cctgatcagc cgccagggca aggtgaggct caccaagtgg 180
tattctcctt acaccagaa agagaggacc aaggtcagta cccacactg ctctgtgtga 240
taactcgtgt aattcagttc cggggttgct ttattcatca ctggcagagt ggcagtgggt 300
gctaatttct gcaggagtta aggctatgca tgctagtttg tgtcaggact ttgcagtcac 360
gacttttgtt cccaacaaat cgatgaacat tagaagtga tgaatagttg ccatgttgta 420
ac 422

<210> 21759
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-010-Q1-K1-E9

<400> 21759

tgcttctgac atgaacattc tagagcgcca tgctagctat ttgatgtctg gcaaggagct 60
ttctaaactc gtcgcttttg tcaaggggac tcaatacgat cttgtggaat atctacaacg 120
agaaaggcat gggctctgctc gtctggagaa ttttgcttgt gcaactcgaac tgattggaca 180
aaagctccaa atggatacac tgcaaagccg acttgatgca gagtttcttc tagctcatat 240
gtgttcagtc aagtttaagg aatggatcgt gctgctagct actctggcgc ggcgtacaaa 300
ggttttgcgc ggatctcttt catcatgac tgcgattgtg gaaagcatat agcattactc 360
tacagtcaca tgatgtattc aggaatatc ttgaccttct taatatcttc gaagaacagc 420
tttcg 425

<210> 21760
<211> 297
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-010-Q1-K1-G10

<400> 21760

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tcggcgcca ggggtctgct tgggcggcac tacgtctctg acgtcgtcgc tggggcttgc 120
ctcggcgtgt tcgaggcctg gctcagcatc ttgctcttgg gattcatgtg cgctcaaagc 180
accttccttg tatgctaata cttgttatcg tagtaccacg aatccgccac attgtggtat 240
acactgtgat acagcattgc tgattgtgaa gttacaattt cggtttagcat ttcagtc 297

<210> 21761
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-011-Q1-K1-B11

<400> 21761

agaatgaaga atggacatgt agcataccaa tccaccgtca gtgttggtcc aaataataca 60
tccaagtaat acagcgtcta gtttccaaaa aaaaagtaac ccagcatcct aatgggtatta 120
gttcacggct ccaggcctac aatatctggt ttcccatccg acggcagaaa actttccaag 180
catccactgg taggtacaca ctttgatgat tcgttaatct ttccactcca gccagacaaa 240
accaatctc ccatgtacat caagtggcac ttagtcattc aaacttgcac tctctttctc 300
catctcaaca atacaagcta atctatcatg gacctctgaa agtttttgtg ctgcttcttg 360
tttgaacttc tcgtcatacc attctcgggg ta 392

<210> 21762

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-011-Q1-K1-F9

<400> 21762

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gacatgactc gcggcaacca gcgtgaccgc gatcgtgagc gcgcggcggc gcggaagccc 120
aacggcaagg ggccccagga cgggctcacc ccggagcagc gccgtgagag ggacaagaaa 180
gcgctggagg agaaggcggc gaagaaggcg cagcaggcag cggccggcgg caccgggacc 240
tccacggaca acaagaataa ggcagggtggc aagaagtagg ccgcagcggc gagcggcgcc 300
acctctgtac gattatcgat ccatgccttt agcttgtaac ctgttcgcat cctcgtagat 360
gcgatgcttg ttgggtcata aactcgtttt ctgttactct gatatcaaaa tttggtgatg 420
agaataaa 428

<210> 21763

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-011-Q1-K1-G11

<400> 21763

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cgatgaggaa acggatggag ttcctggact tcgattaaca ccgtcaccgc ggccgttgcc 120
gctccccatt gtggcggaat ctttagtggc ggctgtgtg ccatacatgc ctggtgaccg 180
cgccggcgca ccttggattg ctggaggggt tagcgaacag tttcttttta actagcagtg 240
ctgctgtata ctctcgtggc cacagaccct ttgagcgccct cctgatacag ctttgtcacc 300
actctgatca ttgcctcgat gaatttatat acctgacgtt atggattaaa aagaatgaaa 360
gatgtgatct tgagtgtgtg cacacaac 388

<210> 21764
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-011-Q1-K1-G4

<400> 21764
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agtggttctc tgatcgctc tactttcgcc agatctagcc atgccctccc cgctgccgcc 120
gcttcggcca tctctcaggc tcccagatcc cagcacaccg catctcctct actctccggc 180
cttgagcag cggctcgtgc tttcagctca agggctctat ggaaggagc attcgttgac 240
gctttcctgt ctagaattaa gaagaacaga gaaaatatga atggcaagaa gatttggctc 300
cgtagatcct ctattttgcc ggaatttggt ggttcctctg tgctcattta caatgggaaa 360
actcatgtcc ggtgcaagat cactg 385

<210> 21765
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-011-Q1-K1-H1

<400> 21765
tgacgatgtt gggatcctca agacaggatg cggcaactcg tacgctccat ttcctaaagg 60
ttgcttctac accacctccg gtgggctgca gagcttcgag caccggttgc acgaggtcaa 120
ggcggtgcca cgcgtggaca gccaaaggcca gatgtgcggc tccatcttca aggtcgacag 180
cgagagcaag aagaagcagg acgctagcat cccccgcgtc ggcagtgtg ccgactggtc 240

caaccagttc tgaccatctt cttgctatcc attgtcccgt ctactatacg aggtgcagag 300
 ctgtgtatct gatgaatcca tgagacgatt tctgctacgt ttcttgcacg cttgtcgaac 360
 actgtgagac tcacatcgcg ctcactacg ctacgtgtaa ctgatactaa tgata 415

<210> 21766
 <211> 424
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-012-Q1-K1-A11

<400> 21766

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 tgatgaaaag cagagagcca aggcaaaaga gaagcttgat aagtgtgtaa aagacactct 120
 gctggacctc tgttggaacc ttggtattcc aactccgaaa gcaaacatta gaaaggaaga 180
 tatttgttca aagctgttgg acttcattgc tgaacctcac tctgcagctg aatcttgggg 240
 ctctgatgat cagggatcaa attctaaaaa acgcaagaga ggaggtgaaa gtgcaagtaa 300
 gacgcctgat ggcacaccta gtaggtcgag gaagaaattt gtcgatgacg gtacttctag 360
 taaaaggcag aataaagcgc tccagtatga tactgangaa gatgaatcca tgaagtctga 420
 cagt 424

<210> 21767
 <211> 159
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-012-Q1-K1-B12

<400> 21767

gtctcattaa ctcttcccc cttaacgaaa acaagtaaaa atgcatgcct taaccatcga 60
 cagcccgaat ccatacagat ctttaacccc ccacctaccc agaactctgga aaccccccca 120
 ggaaagcccc caacgagccc acttttaagg ccaatgaca 159

<210> 21768
 <211> 394
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-012-Q1-K1-C7

<400> 21768

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ggaggcggcg gtggcggata cgggtggcggg cgccgtgatg gaggcggcta cggcgggtggc 120
ggtggaggct acggcgggtgg tcgtggaggc tacggcggcg gtgggggata cggtggtgca 180
aaccgcggcg gcggctacgg caacaacgac gggaactgga ggaactgagc ggtgggggtcc 240
gctgaggcct agttatcttg ttcgcttctg ctaccgtgtt caccctagtc tagaggggggt 300
ttatcttcgt ctgtggtcgt ctcgtgtccg tatgtttcgt ttcgtgttcg ttgttgttgt 360
tgcccatctg tgtttttgac cgcaagctcg ctcc 394

<210> 21769

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-012-Q1-K1-D3

<400> 21769

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cgaactcaag cctgtatgcg catctccatg gaccgcattc cgcgagagtgt ctctcgcact 120
ggcggaggcg agcatcaatc gccatcggca ccgctcgggc tctcttgtac cttcatcgcc 180
acgcaacgcc taagataatc cacggaagcg tcaaggccac caacgtgctg ctggattcag 240
acttccgggc gcacgctggc gatttcggtc tggcaaggct tattcccgac gacggaacgg 300
accacgcaaa gatagccagc agcgagagcc agcgaggcta ccttgctccc gactacgccg 360
ncatgttcgg caaaccaact gcaggctgcg atgtatacag cttcgggata atactgctgg 420
agc 423

<210> 21770

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-012-Q1-K1-D8

<400> 21770

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aggccggaca gcggtatgact gctgcggctg cactggtgcc ggtccaggga gcgagagggg 120
caacaccagg aagaccacca agatgccggc ggctggactg aggagggccg gcggccggtt 180
tcctcttgcg cgggacgtcg ggagcagcgg cgccaatgag cgctcctcct cggtcgcccg 240
cggcttcggc ggcggcgttg caatgcccg cgcggtgctg gaggactcgg cgccggcgat 300
ggacgcccc gcgacgaccg gcagggagcc gccgccccg gcctcagccg cggcgctcag 360
ggtcacgccg gcggtgctgt tcgtcacggt ggtcctggcc gtggtgctgc tcgtctccgg 420
cctgctccac g 431

<210> 21771

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-012-Q1-K1-E7

<400> 21771

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caaacggggc agggccaggc ccaggcgagt gaccagtcgt ttcacgctca cacgaaacgg 120
acaatgcgct ttatcaatca gtgaagtgcc ctccactcca ctccacctca aggatgcagc 180
gccgagtagg tccggtacct gtactccgac gccgcgtcgt cggccggctc gctggagctt 240
tggtatttgc tgcggcacgg aacgtagttg ttgaccgggc atgacttggg ctggcggagg 300
aacttggcgc agtcctcgtg cgagcgctgg ttgggcgccc actggatgca gttgcggctc 360
acgttgagcc tcccttcctt gatca 385

<210> 21772

<211> 83

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-012-Q1-K1-G12

<400> 21772

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ttaaaaaat gacattatac acc

83

<210> 21773
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-013-Q1-K1-B11

<400> 21773

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ggatcgccat gtcggactcg gaggagcacc atttcgaatc gaaggccgac gctggggcgt 120
ccaagaccta cccgcagcag gctggcaccg tccgtaagaa cggcttcacg gtcacatcaaga 180
accgtccctg caaggttggtg gaggtttcta cctccaagac tggttaagcat ggccacgcca 240
aatgccactt tgtcgccata gacatattca atgggaaaaa gcttgaagat attgttcctt 300
catcacacaa ctgtgacatt ccgcatgtga accgtactga gtatcagctg attgatattt 360
ctgaggatgg atttgtgagc cttcttactt cagatggcaa cactaaggat gatcttagac 420
tcccaactga tgagactctt 440

<210> 21774
<211> 464
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-013-Q1-K1-D7

<400> 21774

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cgaggtggta acaggaaca gattcaggcc gtgattaatg caaacataat tgcacctctg 120
gtgcaacttc tgcaaactgc tgaatttgac atcaagaaag aagcagcctg ggcaatttca 180
aatgccactt ctggtggcac acatgatcag atcaagtacc ttgttgccca gggttgcatt 240
aagccactct gtgatctgct tgtttgcccg gatccagaa ttgtaacagt ttgcttgag 300
ggctttgaga acatcctgaa agttggcgag gcagagaaaa atcttggtgc aggcgatgtc 360
aatgtttacg cacagatgat tgatgatgct gagggcctgg acaagattga gaacctacag 420
agccatgaca aactgagat atatgagaag gctgtcaaga tgct 464

<210> 21775
 <211> 375
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-013-Q1-K1-D8

<400> 21775

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 aggcggtgcta ggtgctacga gtggcccaaa ctacgagttg ggaaatgaga tggcggtgga 120
 tggttggttg cccaatgcgt ggctgggaga tgtggcaggg caaggcttgg gcgccagtga 180
 tgggtgcatag gctaggtagg agagcacagc aggaattag tatgggacta cattcatgaa 240
 tatatgtaag gccaagttac aaatcctatc cttcctcaat acaagctcaa ctgaattcta 300
 atccaatgta tcaatatctc tagctaacaa accgatgaac tcatctncta aacaaaaaag 360
 cacctatgac tctgt 375

<210> 21776
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-013-Q1-K1-F10

<400> 21776

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 ggacggtggg cgtgaactac ggccgctgg cgaacaacct gcccaacca gcggcggttg 120
 tgcagctgct caagcagcag ggcgtcgcgc aggtgaagct gtacgacgcc gacccaccg 180
 tgctgcgcgc cctcggaac accggcatca aggtggtggt ggcgctgcc aacgagcagg 240
 tcgcgccggc ggcgctcgc gcgtcctacg cgctgctgtg ggtgcgccgg aacgtggcgg 300
 cgtaccaccc ggccacgcag atccagggca tcgccgtggg caacgaggtg ttcgctcgg 360
 ccaagaacgt gacggcgcag ctggtcccg ccatggccaa cgtgcacgcc 410

<210> 21777
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-013-Q1-K1-F2

<400> 21777

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gccgttgcc tgcattgag cgcccaacct acaccaacct caacaggctt gtgtcccagg 120
tcatctcatc cctgactgcc tccctgaggt tcgatgggtgc tcttaacgtg gatgtgaatg 180
agttccagac caacttgggtg ccctaccga ggatccactt catgctttcc tcctatgctc 240
cagtcattctc tgctgagaag gcctaccacg agcagctgtc tgtggccgag atcaccaaca 300
gcgccttcga gccatcctcc atgatggcca agtgcgatcc ccgccatggt aagtacatgg 360
cctgctgcct catgtaccgt ggtgatgtgg tcccaaaga tgtgaatgct 410

<210> 21778

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-013-Q1-K1-G8

<400> 21778

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acggttggag gagaacaggg ggagaggagc tctgatgtgg agacggccgc ctccgcagcg 180
cgctgtgtga actaccgct cgtcgcggcg ctctcgcgt tcgccctcgc acagtccctc 240
aagttcttca ccactggta caaagatggc cgggtgggatg ccagacagtt tatagcttct 300
ggagggatgc catcatcca ctgagctaca gtgacagcac tcgcagtggc tgtggcgata 360
caagaaggct ttcatagtgc aacctttgca actgcactag tctttgcatg cgtggttatg 420
catgatgctn ttggagtctg gttacatgcc ggaaagc 457

<210> 21779

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-A1

<400> 21779

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caatcgacat cgacagagta ccagtagtct cataacagag agagagagag agagaaaaaa 180
aaagaaaaga gggcgataac gcaggacaaa gctagaatag cacggcccag ttccagctct 240
tccgtaagct gggttgettca cttgcagccg tggttgaccc ggcacggatg gttccgtcag 300
aagcaggcgt ccaggaggca gcagcagcag agggcagcca agctgttcaa gcaagaatac 360
agt 363

<210> 21780

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-A6

<400> 21780

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ctgtttttctt ccatgtttgc ccacacttca cctcgtttgt aaatgtggac gtgcagggtg 120
cgtcagtgat agtgggaaag gactaatgtt ctttttacca atatattata acagtgtgtg 180
catataaatc ttctgagctc gcaagctgtg agcctcccag gttaaaagtg tttatatgtt 240
ggcatcattg tttgtttcag atattttatt gcagaacaga aaattgccac ctatcattgc 300
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<210> 21781

<211> 378

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-B1

<400> 21781

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cttgaatccc accaaaaaca cctaacatcc acagaatata caccagccct aatctaate 120
aatccacatc gacagaatac cattagtctc ataacagaaa gagagagaga gagaaaaaaa 180

aagaaaagaa ggctataacg catgacaaag ctagaatagc acggcccagt tccagctctt 240
 ccgtaagctg gttgcttcac ttgcagccgt gttggacccg tcacggatgg ttccgtcaga 300
 agcaggcgtc caggaggcag cagcagcata tggcagccaa gctgttcaag caagaataca 360
 gtcagccatt ttacataa 378

<210> 21782
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-E10

<400> 21782

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 aacctgctag agatgcagca gcgaagacta agatggaagc tgaagcatcc acagaaaatg 180
 aatgtcctgt ccacctagac aatgagtggg atattagtgt tcttgatgat gaagaaactg 240
 agacatcaag cattcgaaac actccagata tcttaccgga aggtcttgtc cgtgagcttc 300
 cagacgctga ttcatacgca agaccagctg ctccagttag ttccagcgct attgatgatg 360
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<210> 21783
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-E12

<400> 21783

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 aacgagttcc agaccaacct ggtgccctac cctaggatcc acttcatgct ttcgtcctac 180
 gctccagtca tttctgctga gaaggcctac cagcagcagc tgtccgtggc cgaaatcacc 240
 aacagcgctc tcgagccatc ctccatgatg gccaagtgcg acccccgcga tggcaagtac 300
 atggcatgct gcctcatgta ccgtggtgat gtggttccca aggacgtgaa cgctgctgtg 360

gccacaatca agaccaagcg caccatccag ttcgtggact ggtgcccgcac tggcttcaag 420
tg 422

<210> 21784
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-E8

<400> 21784

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aggcgtggaa aggtctgccc acaacttcct gtaccagggc acattccaag accatcttat 120
gttgggtgcga aaggattgcc tgaactatgc aaggggccaat tacatgatgc tcaaggaatt 180
actggaatga gagctgcttg caaacttgct gcccggtgtc ttgacttcgc tgggacttta 240
gttaagccat ccattactac aaatgaaatt gacgcagcag tccataatat gatcattgag 300
gctgggtgctt atccttctcc acttggctat catggatttc ctaagagtat atgtacatca 360
gtaaatgagt gtgtctgaca tgggggtacct gattcaactc agctgcaaaa tggggatatt 420
ataaatattg atgaaaatg 439

<210> 21785
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-F1

<400> 21785

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gttacgagat acgcggggta atgactcgga cgcaatctgc cgtatcggtc gccgagtacc 120
cctgcttgct gctgctgcca gcctgggcca cgacctacca ctccgtcatc acctcttcaa 180
agctagctcc gacatctgca ctgcctgtcc tactcccatc ggacgacgta caggccctgc 240
gccttctgct gtatcacctt caggaacctc aagatcatcc gcaacaccat tcgacgacag 300
gaacgccaaa ctgcaactgc ctcaagaaca tcaccaggaa cgtcagccat ctcaacgccg 360
gcaacgccgg cagcatccac ttcaagtgcg gcgtcagcat gcgatacacc atcatcacct 420

<210> 21786
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-H1

<400> 21786

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atccaatgcg tgaaggcccg ccgaaccttg gccggcgggg caaacctaca caccaaggcc 120
aagtggtttg cgcacatagg aaccttgcca gggcccagct gttcccagtg gagcataaac 180
tggtgtatat gaagctctgg agtagaggaa tgggggctgt gactatttgg aaaaggggtgt 240
ctccaaggct gagaacagtg tgaattctga tattggacct gctctgattg acaaggaccc 300
tacagcacag actgagattg ataacttcat ggttcaacaa cttgatggca ccaaatatga 360
gtggatatgg tgcacgcaaa accttggtgc taatgcgatt ctgtctgtga cattagctgt 420
tcgcaaagct ggggctagca 440

<210> 21787
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-014-Q1-K1-H3

<400> 21787

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gtgaaggcgc gccagatctt tgacagcacg agcaacccta cagtcgaggt cgacgtgttt 120
tgctcagatg gaacctttgc aagggcagct gttcccagtg gagcatcaac tggtgtatat 180
gaagctctgg agttgacgga tggtggctct gactatttgg agaaggggtgt ctccaaggct 240
gtgaacactg tgaattctga cattggacct gttatgattg acaaggaccg tacataacag 300
actgagattg ataacttcat ggatcaacaa cttgatggca ccaaactga gtgggtgatgg 360
tgcatgcaaa agcttggtgc taatgcgatt ctggctgtgt cattagctgt ttgcaaagct 420
ggtgctagca 430

<210> 21788
 <211> 396
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-015-Q1-K1-G9

<400> 21788

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 tcctggatat atgtatactg atttggcaac aatatatgag cgtgctgggc gtattgaagg 120
 aagaacaggc tccattaccc agattcctat tctaacaatg cctaacgatg atatcacaca 180
 cccaactcct gaccttactg gatacattac tgagggacag atatacattg ataggcagct 240
 ccataacaga cagatttatc cacctattaa tgtcctgcca tctctttcac gattgatgaa 300
 gagtgctatt ggtgagggca tgacacgtcg agaccattcg gatgtatcta atcagctnta 360
 tgccaactat gctattggaa aggatgttca agccat 396

<210> 21789
 <211> 77
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-016-Q1-K1-C10

<400> 21789

ctccaatcaa aggattgata gtctaggtaa taatccatgt taatgaataa agtgggtggc 60
 catcttcaca agagatt 77

<210> 21790
 <211> 162
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-016-Q1-K1-C9

<400> 21790

accatattac gacattatta tggtttgcatt attgtcttgc gttttgagtt gtgacaatgt 60
 gcaaaccata ttacgacatt attatggttt gcatattgtc gtaatatgga actcgtttat 120
 catgttcatt ccacccctccc gttatgtgaa aaataagaca ac 162

<210> 21791
 <211> 274
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-016-Q1-K1-E4

<400> 21791

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 agctggcgcc ggccaacaac aactcggcgc gggggttccc ggtggtggac aaagtgaagg 120
 cggcgctgga ggacgcctgc cccggcgctg tctctgcgc cgacatcctc gccctcgccg 180
 cagagatctc ggtcgagctg tccggaggac caaagtgggc agtgcttcat gggaggctag 240
 acagcaagaa agccgacttc aagagcgcgg agaa 274

<210> 21792
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-016-Q1-K1-F8

<400> 21792

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 cagaacaccc aggggtcttat ttttgttggt gacagcaatg accgtgaccg tgttgttgaa 120
 gccagagatg agctccacag gatgctgaac gaggatgagc tacgtgatgc tgtgctgctt 180
 gtttttgcca acaagcaaga tcttcccaat gccatgaatg ctgctgagat tactgacaag 240
 cttggattac actccctgcg ccagcgacac tggtagatcc agagcacttg tgccacaact 300
 ggcgagggtc tgtatgaggg cctggactgg ctggccagca acattgagag caaggcttga 360
 ggcttacctt gaaatttaac tgcgaactga ctaagagctc cggatgtatc atggaaac 418

<210> 21793
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-016-Q1-K1-F9

<400> 21793

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ttacagctca tgacacattt gggctgctat tttaccccggt gaagtgtgaa ctccaaccag 120
gcctcttaag ttagaattag ctaatatccc gaattacaga aaagcagggtg gttacaccaa 180
cagataatga actgatagtt gttggagatg gtcattcagg taccatatct gttcgtgcag 240
ctggtaacga ccttataaga ccatttgatg ttgctgtag tgtaccact tgagctagac 300
ccttttccat cgtacgcaac anattgatta tatgacatac tgatatttca tgtcagagga 360
tcaatctctt ttagttagga atcgacagat ccaagatgta gaaaactcta cttttt 416

<210> 21794

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-016-Q1-K1-H5

<400> 21794

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ggcgacgccc cgcggggggtt ccgggagaaa cccaggcact ccgagaagcc gaccaagtac 120
gccggcagcc ccaagagcag cgctcctcgc gtgatccacc agcctcgcta gggtcgctgg 180
ccggccccctg atggggactc ggtgactcac atggaaggct gctggctctc tagcagcatc 240
tgctactggc tgcagctgcc gtcggcgctg tggctctgtct ggtcaagtcg aaataaaaaa 300
acggtaagta ttggactact gtagaaagtt ctttt 335

<210> 21795

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-017-Q1-K1-C11

<400> 21795

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acaacggaac caaaggatcc attgctgcc tgcaaaatac agtaactagc ttttgacaat 120
aatataccca gcatgtatat gcatattaaa aaccacaccc aattggt 167

<210> 21796
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-017-Q1-K1-E11

<400> 21796

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 gacgatgatg cctcgccgcg cccttctctt cgccgcggtg ctctcgcggt cctccgcgcg 120
 cgcggtctcc gggttccacc tgggagggga cgagagcggt ctctgagggg gtgtgctcgc 180
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 caagaaccaa ggcgccgctt tggagtttac taagggtgctc aaatccaagc gggaagtggg 300
 gaccgggacc ctgcatgacc tgatactgga agcagctgat gctggaaaaa agaattgtga 360
 cagagcaaaa gtttgggtga agccgtggga agatttcaag tctgtcngtg agtttcggct 420
 tgttggagac tctg 434

<210> 21797
 <211> 151
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-017-Q1-K1-H11

<400> 21797

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 tagatctgag aagggcactt ctcaaaatct acacaccaaa aagatttaaa caaatcttcc 120
 acggaatggg gagagaacga agaacacaaa a 151

<210> 21798
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-018-Q1-K1-A10

<400> 21798

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agctcttgaa ccactaccga tataactggc cagttaatca cacatctgtg agcccggata 120
 agaaactttt ggctgtggtt ggagatgatc gggatgctct tcttgtggat tcacggaatg 180
 gaaaggtaac ctctacccta gttggccatc tggactactc atttgctacg gcatggcacc 240
 cggatagccg gacctttgcg accgggaacc aggacaaaac ctgccgtatc tgggacaccc 300
 gcaacttgtc gacctcgctt gcggtattgc ggggcaacat cggcgcgatc cgggtgcatac 360
 gctactcctc tgatggacgg ttctctggtgt ttccggagcc tgcggacttt gttcatgtgt 420
 acagcgt 427

<210> 21799
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-018-Q1-K1-E12

<400> 21799

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 tagaggaaaa cgcaggtaaa aacgattaca acacgcgcac actccactat tgaaaaacat 120
 aacaataaga aaaaaaagag agaaaagaaa ctccctagaa agacgggtac ccaaccatac 180
 catcatatgg cagtatctgg tggatatagcg ctttacagct aggaaaattt ttatctgtaa 240
 tcagatggct cccgtcgggc agcaaagggtg ttgtcgtcga catcgcagca gaggggctct 300
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 ttcacgtggc cct 373

<210> 21800
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-018-Q1-K1-G11

<400> 21800

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 ttcgtcgggt cttcctctcc cacaacaatt gcctgtatac tctcagccaa ctctgccctt 120
 tgggcctttt accagcctgg ttggctatcc atatttgcct cagaactatt acctacctt 180

agcgccattc cagcaagcgt actcaagtaa tgggcctttc catcaatctg ctgctcctgc 240
 cgtgcctgga gctggtatga agtatccgat /gccacaatac aagagcagcc ctctgcttc 300
 gacctacca caaccatcat cactctctgg ttaccgaagg ttcggaagtg caaataatat 360
 ccctggaaat ttcagcccaa atcagggggc tcccc 396

<210> 21801
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-018-Q1-K1-G2

<400> 21801

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 attgttgcag aactgcgta aaaaataccc gcaatttgcg cagcagcata ataattgtcta 120
 catgcaacag gatgcagaag aatgctggac acagttggtg tatacgcttt ctcaaactct 180
 tacctcagat tcaagtgaat ctgcagctct tccgatgaag caactatttg ggatagatct 240
 cgtgagcagg gtccactgtg cataaagtgg tgaggagagc atggacacag aatcagtata 300
 tcccc 306

<210> 21802
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-019-Q1-K1-A10

<400> 21802

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 ggcaatgggc cattttgggc acgcaccgaa tctggcgtat tccgttcggg tctcaaagcc 120
 gatcccagtt acaatgaggc accatggcct tctctgactc cagaagcaat agattttgtc 180
 aagcgattgc tgtgcaagga tccgcgtaca aggactactg cagctcatgc tttaaatac 240
 ccatggatca gaaattatta tgacattaat ctgccgtttg acattcttat attgcgactt 300
 atcaaagctt atattcgata ctcatattta ctgaaagctg ctctgagagc tctgtcaaag 360
 aaccttaacc gtagacgaac tattatacct gaaatcacia gggatctcta ttggaaccaa 420

acatgaatgg atg

433

<210> 21803
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-019-Q1-K1-A12

<400> 21803

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gttttgagct gcaatacagt ttacattgta cacacacagt cacacacaca ccttattcac 120
tcattgattg tgtcaccagt ggtgcgcgta gacatccgcg aaaccaggca ggctgctggt 180
tctgcccacg attaagttac aagtactcaa tcgcatagac ccatgggaga ttactcggag 240
atggagcaca ccatagtaac cagcctagca acacacgacg actactgagt gtatctctga 300
cgcatgacac actatgcaag ctcatggagt gtatcaacct ccgttttggc ctgcttctc 360
ctgg 364

<210> 21804
<211> 186
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-019-Q1-K1-B12

<400> 21804

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ggccaggggt gcagtacagc agcagcatca taaagtttct gactgcaaga acgttgctgt 120
agggaaggaa agtaactgtg ctagtagtgt acttgcttac ttcaagggtta atatctgcca 180
aaataa 186

<210> 21805
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-019-Q1-K1-B4

<400> 21805

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aaaggggtgtg tcttggattt cattggctat ggtctctcgt gtatcagaaa ggactgcata 120
gaagtctaca tggcaggagt gctggaattt ttgcccgaag caaaagctgt cctctactcc 180
catggactaa tgtatctctg gcaggcagtg ctggtccagc atcaaaaaat ttctttcatt 240
tcgacatttg cccaatagtt gtgttcagtg tcttgtaaaa ccctgttggtg aatgagaagg 300
gacgacattt acctgcttaa tatagtaaaa acatgttcgt cagaaaaaac ca 352

<210> 21806
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-019-Q1-K1-D8

<400> 21806

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gcggctggca gcggcggcga cgacctcgga ggccgccatc acctgcgggc aggtgagctc 120
cgccatcgcg ccttgctctt cctacgcccg cggcacgggg tccggcccct ccgcgtcctg 180
ctgtagcggc gtcaggaacc tcaagagcgc cgccagcacc gccgccgaca ggcgcgccgc 240
ctgcaactgc ctcaagaacg ccgccagggg cgtcagcggc ctcaacgccg gcaacgcogt 300
cagcatcccc tccaagtgcg gcgtcagcat cccctacacc atcagcacct ccaccgactg 360
ctccagggtg aactaaaacc tagaccacgc gcgacgacgg ccgcctgac gatcgaccaa 420
ccattccgnc gtcgccgccc gccggatca 449

<210> 21807
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-019-Q1-K1-E7

<400> 21807

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ctaggactga cttatctagc ggtaccgaca gcgtgtacat ctaattcaca gttgtcgtca 120

agcaacatag tcggatatgt atgtagctct ctaccactac tgggcatgat acgattcagt 180
 actaagggtgc atattgcaca agcaagatat gaagattcat gtgtcaccaa tatctcaatt 240
 actagggacg tgcattacat ataatcaaga ccagcttgat gctacacgca cgttactcag 300
 atatggatga tgatatgtgt agagaatgaa taggtctgat tctgattgct gtttacaggt 360
 tagagggtgca gtgcatttac aaagagatat aaga 394

<210> 21808
 <211> 449
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-019-Q1-K1-H2

<400> 21808

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 cacagctttc atgatgatgc aaaatctaag caataagggt ttctgagctt tctcatttac 120
 gattccatca gttagagagc tattgcagat atttgaaatt gcagctcctg tttttgtgac 180
 aatgacgtcc aagggtggcat tttatgcatt gctcacatat tctgcgactt ctatgggagc 240
 aataacgctt gcagcccatc aggttatgat caatgtctta tgcattgtgta ctgtttgggg 300
 cgaacctctg tctcaaactg cacagtcatt catgcctgag ctggtatatg gtgctaactg 360
 gaatctgacc aaggcaagga tgctattgaa gtcacttggtg atcattggag cgataactgg 420
 gatgaccttg nnggtagtag ggacacttg 449

<210> 21809
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-020-Q1-K1-B3

<400> 21809

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 cacttcgaac gggacgagaa ggaatcggac gccagatgag actaaccgac ctaggatcca 120
 tcgacgcgtg aagatgtggt cggccgccga gtgctaccaa tcacgtccac ctataagcac 180
 ggcatatggg aactgtggtt tctataccac cgtgctagtt cagctccaga ttatgcaccc 240

atgatctctc tactcagatt acccctaggt gttcaagaag ctcgagatat ggaggctatt 300
gacacgggtc attattctgg caccatcttc catgaaatat ggtatccgcc tgctgatgat 360
agctagggtat ggtgtcatga tggaaaaggg tgcatatgat aagcggactg cagatttctt 420
atggatg 427

<210> 21810
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-020-Q1-K1-E6

<400> 21810

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cggcgggcgt ctgcggcgtc ggcgggttca agcccaccgt cggccggctc tccaactccg 120
ggcttattac tatgaactgg accgtcagca tgccggggat cctagcagcg acggtcgagg 180
acacgctgat cgcgtcgggtg ccgggcagct agcttcttgt gtctcccata aaccaaactt 240
ttcgattcac atgtctgctt tggtatcacc catgacgtaa tgaaaacacc acgcaaagt 300
tgtctggttt gttttccgag ctttctttca ggtatgcggc gattgctgat cagtcaaac 360
aaaggccttt acagcctgaa ctgaacctgc ccatgctgac acgcacgagg accatgc 417

<210> 21811
<211> 435
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-020-Q1-K1-F2

<400> 21811

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acggcaagggt gagecgagttc atcggcggga ggcacagcct gccgctgcac gagctgccca 120
cccacgccac ccggggctac tacctgggca tgttcctcgg gggcgcttac caggaggccc 180
tcggcgggct gcacaacctc ttccggcggc cgagcgtggt gcgcgtgtcc cagtgcgacg 240
ggccccactg cttegcctg acgcgcgccg ccgcggggcc gtcttcgccc gacgtgctcc 300

gcgcgatgca gcacgagccc gaggtgatgt acgaggtgct gaagcagagg accgacggcg 360
ccacgggtcgn cgnccctgcc cgggccttcg gcgcaatgcc gtacctgggtg ttcgaccccg 420
aggccgncgt gatgt 435

<210> 21812
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-020-Q1-K1-F8

<400> 21812

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ttaagaagga agggcccaag tccctgttca aggggtgctgg tgctaacatt cttcgtgcc 120
ttgctgggtgc tgggtgtgctt tctggctatg accagctcca gatcctgttc ttcggaaaga 180
agtacggctc cggcggggct taaatggaga aatatgatga cgaacaagag cagtgtgtgt 240
tcccggctcct tttcaatcag gatctgggtga agcttttgcc tatcatatcg tagaaattaa 300
taattcatgt agagggagga ttcttccaac aatttgcttt ggatggagac ttagatctcc 360
aaacactgcg aactatccta ctaagtgggtg acatcgggtac ccaaaaacat ttatgggtcat 420
agagtctgtc ctt 433

<210> 21813
<211> 344
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-021-Q1-K1-G4

<400> 21813

gggaaaatgg gacgagttat tggcagaaag gggccaacga taatggctgt gaaagaatgt 60
tgcaagggttg aaatacatat tgggtgggtgct aaggggcctc cagacagggt gttcatcatt 120
ggaccagaga aggaggtcag gaaagctgag gccatctttc gaggccgaat gctggagtgc 180
tagagatggt accctttgcg atacaggttt caactgcttt atattttgaa cgtaaaaagg 240
ggaatatcca aaagggtgat gcgggaccgt ggatcccttg accgtctgtg aatcatgaaa 300
acaaaataaa ggatttcaac ttggcaaaaa aaaaaaana aaaa 344

<210> 21814
 <211> 391
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-021-Q1-K1-H12

<400> 21814

ttctctgcac gcagctcagt ctcgtccatc cagtgctgta gaattttctt tggctctgtg 60
 gcaaggcagc catgaaaccc cctcagctgc cggcagggga gggggcctcc tgggctcacg 120
 aggtcaagca ggccctccgt gagaaactcc ggcgctccta cggcgccgga gctgcctacg 180
 tcacaccgga ggccaggccg gccggcgaac caagccgtgg cgctgagtgc cgcggctcgg 240
 cggccgagga ccccataagg agagtcatgt tcttggtccc ctgggggtcac acataagaac 300
 acaaaccggc cggtcgagat ctgggcatgc aagctngcat ggncatgtcc tggtcagtca 360
 gatctgcaac aaccaaactg taaaaagaac t 391

<210> 21815
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-022-Q1-K1-F12

<400> 21815

tccacacccc ccgagctcag cttacctcca ctccagctcc aatcacagtc gtgaccagag 60
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 aggaggtgta ccaccgggc gccctcaagg cggcgttcgc tgagttcatc tccaccctca 180
 tcttcgtctt cgccggccag ggctccggca tggccttcag caagctgacc ggcggcggcc 240
 cgacgacccc ggcgggctg atcgggcgcg cggtggcgca cgcgttcgcg ctgttcgtgg 300
 cgggtgctggt gggcgcgaa atctccggcg ggcacgtgaa cccggccgtg accttcggcg 360
 ccttcgtggg cggcaacatc accctgttcc gggggctcct gtactgggt 409

<210> 21816
 <211> 320
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-022-Q1-K1-F6

<400> 21816

tctcattcga ttacacacac acacggagag atcaaattga tacactgcga tcttgagcaa 60
acgaatcaca gaaaaaatct tgcgagacat tactgaccga tggaattcgg caagcgctc 120
atgaagcaga tcgaggagag cctgccggag tggcggagcc agttcctcaa ctacaaggag 180
ctgaagcggc gcgtgaatgc cgtgtcctcc ctcggtcgg cggcagatcc gtcgtcgttc 240
agcgccgtgt atgccgactt catgacgctc ctggacgccg agatcgacaa ggtcaacgtc 300
cttcttcctg gaacgggaag 320

<210> 21817

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-022-Q1-K1-G12

<400> 21817

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ataggtgtac cacagccttg ctccagactc tagtgtaa atgcttttc ctgttcaaca 120
tttcagtcgg aggcatacac aagccatgcc agactttgct cgtgtataca acttcctggg 180
aagcatattt gatccagaga caaatgggca tttgcagaag ttgaaggaaa tggatcccat 240
tgatgctgaa acggtactgt tgctgatgaa aaatctgtca atcaacctaa ctagtccaaa 300
ctttgaggag cataggaggt tgctctcttc ggatgcctca agcatggatc aaaagtcggg 360
ctcttcccg gttcatctcc cgttcatgat aacgagcaag tgagagaagc agctggctgg 420
cctgaag 427

<210> 21818

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-022-Q1-K1-H9

<400> 21818

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 ggcctctgcc aattgaggat cactctgtgg ttagtaccgg gccacctgtg aaaaagaggc 120
 agcgaggcca gcagcagagt cggcagccta agtcaccaa gcctaagaag cctaagaagg 180
 ttgctgttct gccagagggg ggggcactta atgggcatgc accccgtagg agggggccta 240
 agaaggctgt ggggatgggtg attaacggta ttgagttgga ccttgccaac ttaccaacac 300
 ctgtgtgctc atgcactgga actccccagc aatgctatcg gtgggggtgca ggtggctggc 360
 agtctgcatg ctgcacgaact gctatttcaa cgtatccact gccaatgagc acaaagcgcc 420
 gtggcgcac 429

<210> 21819
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-023-Q1-K1-B2

<400> 21819

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 gcagcctcct ttgacaaga aatcatttgt gtcttacatc aaaaaatata tcaagaatct 120
 cactgctggg gtggagccag agaaagcgga tgagttcaaa aagggtgtcg aggggtgcaac 180
 caagtttctc cttaacaagc tgaaggacct tcaatttttt gtgggtaagt ccatgaagga 240
 tgatccgtct tggggatttc gccataaaca aggatggggc cactaatcca ccattctcta 300
 attcttttaa gggcctaaag ggatccaatg cttagccttc cgcgaaatta ggtaccaag 360
 ttggggacta accatggacc attattatat tccaaac 397

<210> 21820
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-023-Q1-K1-B5

<400> 21820

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 ttctctgcat ccacatccgc acgtcggcgg tgagaggcgg tgcggcggag aacgcgatgg 120

cgccccgggac gacagcgagg gagcggcgcc tggccaaggt gcgggaggag cgccgccgcc 180
gcgagtacga ccgggagcac acctaccccg gatgggcca ggtactggag aacgcctgca 240
gggatgatga agagctccgc gccattcttg gtgatagcat cggcaacccg gagctcatga 300
agcaacggat ccaggaaagg gtgcgcaaga aaggcagggc ccaattcaat aaatccaaga 360
caggctccat tgggtgctttt aaagtcagct ttcgagactt taaccattg aattc 415

<210> 21821
<211> 279
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-023-Q1-K1-D1

<400> 21821

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gtcgttgctc gtccgatgtt ggggctctga aagttggggc tgctgggttg gtgggtcggc 120
ggacgacatg aggtcttcgg aggaaacttt gcttggttgg taccaggcga gcggcgacga 180
cttttcgatg tcgtctctcc ttcttgaagg cgcgggccag aagacctcta gtttgtgtgt 240
tcgtcggcgt tgtggaggct ctttggtcac tccgcttgg 279

<210> 21822
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-023-Q1-K1-D2

<400> 21822

aagcgttggg tctcgggtgcc caagatgcct cctgacgagt gttcatgtg ctcagacaag 60
gagtctttgg ctgtgggcac cgagctactt gtgtttggaa tggcacacat tgtcttcaga 120
tacagtatac tgacaaactc ttggacacga ggtgaggtga tgaattctcc tcggtgtcta 180
tttgggtcag caagcgttgg ggagaaggca tatgttgctg gtggcactga ttcttttggc 240
aggattctca gctcagcaga gctgt 265

<210> 21823
<211> 417
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-023-Q1-K1-D3

<400> 21823

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gcttgggtctt gacaagggtca ctgggaaacc caagggattt gctctttttg tctacaagac 120
cattgaaagt gccagaagg ctcttgagga gccacataag cattttgagg gagtgatgct 180
gcactgccag aaaggcgatt gatggacca aaccgacca aataagaagg acctgaagg 240
tttttcgggc ctgaacctta aattggggcc aaggggttgg ctggtattga acttcctatc 300
attcttttgc ccgaacctgt ggtattggcc aaccatggt aacttttgca cctggaatgg 360
cttcattggc tgggtgggatt tctggttgcc caagtgtgga ttctgggtttt gggcaag 417

<210> 21824

<211> 344

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-023-Q1-K1-D4

<400> 21824

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gtcagggaac acctatcctt gtacatcatg gtagaaattc caciaattca accagaggcg 120
cactcatgcy cattttcaaa ggatctgctg gttctgcaga agattatggg ttccaaggg 180
ctatagcatt tgctgctact gcaatccgca tgtcagcagt tgtagctga agacatgtga 240
caaagacata attactggtc gacacgttga tggctcattg aagatgatat ccatacatgg 300
agcgaagaca attgaaactg cttttgagca tattgattca gtga 344

<210> 21825

<211> 236

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-023-Q1-K1-D5

<400> 21825

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cactgggtct tgacaaggct actgggaaac ccaagggatt tgctcttttt gtctacaaga 120
ccattgaaag tgccaagaag gctcttgagg agccacataa gcattttgag ggagtgatgc 180
tgactgccca gaaggcgatt gatggaccaa agccgaacaa attacgagga gctgta 236

<210> 21826
<211> 402
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-023-Q1-K1-G11
<400> 21826

tgacggacga gctggctggc gtgccaacgt cgctccttca ggagctagcc tacgcatcga 60
cgacctatag tgtggcccag taatggcgat atggcgacca gctaccaaca tggaactctt 120
cctctccatc aactaccagt tcaagaatgt gggacaagag ctcaccaaga gcagatgagg 180
acctggtggg cctagcaatg gcagcatggc gcggtggcga cgagctgcta tgtgcagctc 240
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gatcgcaagt tggacatgtt tttttgtcta tctacatact gtgtttggag atgtagtact 360
ttattctcta caatcgggta accctgggtgt cagcgtttcg ag 402

<210> 21827
<211> 220
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3062-023-Q1-K1-G5
<400> 21827

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gtttcaggcc atgtagcgat attgtttgta gtttgtagcg ggaataacat atttggttga 120
gcttctacgt attgaagaaa caacttatat gtgaaaaaaaa aaaaaaaaaa aaaaaaaaaat 180
aaaaaaaaaa aaaaaggaat gatcataaaa aatataaaaa 220

<210> 21828
<211> 376
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-024-Q1-K1-A11

<400> 21828

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tggccaccgc cgccgctct agcctcctca agtcctcctt cgcggggtcc cggctcccgg 120
ccgccacgcg gaccacaccg gcgctcctcg tgggtggccac cggcccgcgc ggcgccggcg 180
cggggcccat ctgcgcgtcc atgtccatgt cctcctccaa cccgccctac gacctgacgt 240
ccttccgggtt cagccccatc aaggagtcca tcgtgtcccg cgagatgacc cgtcgctaca 300
tgacggacat gatcacctac gccgacaccg acgtcgtcat cgtgggcgcc ggcttcgcgg 360
ggctgtcctg cgcgta 376

<210> 21829

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-024-Q1-K1-D10

<400> 21829

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ggattcaatg ataagactat gggatctagg acagcagcgt tgtgttcatt cttatgctgt 120
gcatactgat tctgtttggg cacttgcaag cactcctgca tttggtcatg tctacagtgg 180
tggaagagat caatctgtat acctaacaga tttgtccaca agagagagtc ttttactctg 240
cacaaatgaa taccctgttc tacagttgtc tctgcaagat gacacaatat ggggtggcaac 300
aactgattct tctgtttatg gatggccagc tgaagggcgc acaccccaa aagtcttcga 360
aaagggtgcc tcattcttag ctgggaatgt gtcattctca agggcaagag catctttaga 420
aggatcggca cctgtccctg tatacaaaga 450

<210> 21830

<211> 198

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-024-Q1-K1-E2

<400> 21830

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 cactgcagaa atctttggac ctgacgggaa ttctattgtt cctcctatgg gaaatccatg 120
 gatctacatg taccctaaag gcctaaagga tctccttatg atcatgaaga acaaatacgg 180
 aaacccggct atctatat 198

<210> 21831
 <211> 231
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-024-Q1-K1-G6

<400> 21831

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 tctgcccggg accggcccga agtcggaggc agggcaaaag gcccgatccc ccctaccgcg 120
 cggttgccgc gtcgtgccca cgggtgcgcta gcccgcgcga cgccggcgga cagcgtgcac 180
 tatgggttgc tctnctnctg tgccaactag aaatactgga gggctgaaca c 231

<210> 21832
 <211> 289
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-024-Q1-K1-H11

<400> 21832

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 tttaactcac caaaatcagc atcacacaca aatacaagct gactcacaaa tacatacttt 120
 tcaagatcat aagcaaacct actccatata ccgacctcaa ctagatcaac ctgttcacgc 180
 tcatgcaccc aactcacaaa tactatcaca cacaccttta gactctaatt agttgctact 240
 accacattgt tgttgaacat gttaaaagaa aagtctataa tcaatccaa 289

<210> 21833
 <211> 188
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-024-Q1-K1-H6

<400> 21833

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attgggtatt ggctgacagc attcaaggtt cagcagtcag atattgtaat gccccttcct 120
gatttttctg atgatggctt ggggtccaat gcctcgatcc ttgagggaag tgatgacgat 180
gatttaga 188

<210> 21834

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-025-Q1-K1-A11

<400> 21834

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ttcctcccat aagttgcggt cactgtcctt cttggactct ctggcctttg ttcttgtaaa 180
tgcgaaatga agggatgtga aataagaaca tcttcgtcct gttgttgaca gtatggtaca 240
gcatatttaa ttttttgtac ttgaccggcg atgataaatt ggatcgggtgc cagcataaga 300
attatggaaa aaaaaaaaaa aaaagggcgg cc 332

<210> 21835

<211> 206

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-025-Q1-K1-D12

<400> 21835

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tggctgctac cttcaggatg actgaaagca gtacttgtaa cgattttgtt tagtaaaatt 120
tgtgagtgtt actgtcctaa acaacacctt atgcaaccat atttgaatat ttcacaaata 180
ataaggactt aaaaaaaaaa acctga 206

<210> 21836

<211> 215

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-025-Q1-K1-D5

 <400> 21836

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 aggcgcgacg cagtctact cgtgcggtgc ctccagttgg gcagcaccgt tgccacacat 120
 cgccaactaa cgccatcgat caccgcggcg cctcccagag tcttgccctg ccatatccga 180
 acctgctcct acagctagcc agcaacacaa acaga 215

<210> 21837
 <211> 269
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-025-Q1-K1-E2

 <400> 21837

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 gagaacctgg ctgaccacat tgccgacccc gtcaacaaca acgcttgggc ctacgccacc 120
 aacttcgtcc ccggcaagtg agggaggcgc cgccggtgac ctttaggtgt ccggatgcat 180
 gtgagcgcac gctggttttc ggtttgtacc atgatgtaaa ctattgttca atcgacaagg 240
 aataattgtg ttcatgttca ttatttttc 269

<210> 21838
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-026-Q1-K1-B2

 <400> 21838

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 gagaggctgc tgggtctacga gtacatgccg ttcggaagcc tggagagcca tctgtttgac 180
 gtgcctctcg gcaagaaacc actcgactgg aacacgcgcg tgaggatagc cgtgggagtc 240

gcggaagggg tttctacct gcacaacgta gccgacccgc ctgtgatcta ccgcgacatg 300
aaggccgnca acattctgct gggcgaggac ttcagcccgga ggctctccga actccggctc 360
gcgaaggtcg ngccggttgg agacaggact cacgtgtncg cgagagtcac gggcacctat 420
ggctact 427

<210> 21839
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-026-Q1-K1-B7

<400> 21839

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gagaatagta gaaagagttc gaggcggcgg cggtacgtcc gcacgtagca ccggcaccca 120
aaacgtgagt ggcactgact gcactagtac tactacatac acgtaggccc gggcgggccc 180
gttaaaaaac ggacaagagt acaaccgtca gccgcggcat ccatggacgt tgagcgcgcg 240
cggcgccaccg gctgcatctt ccgcgtagga gttctgtcgt cgtcacgcac gtagccgcgg 300
catccatgct gtgccgtgca ggcgccagcg ccacccgctc gcgcgcgccc tgcctaggcg 360
agcaggccga cgaggcccag cgccagcgcg c 391

<210> 21840
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-026-Q1-K1-G11

<400> 21840

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gaggtgattt agaagcgggtg aaatgtgtat gggatgttga gtcgtcaaag aacaccggaa 120
tttaactgtg gtcgtataat attatgtgct acattctatg ctatggcagt tagattttaa 180
aaaatat 187

<210> 21841
<211> 449
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-026-Q1-K1-H8

<400> 21841

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cagcagccca aagagccagg gacttccaca ttggctgggt tgttgatcca ttgataaacg 120
gacactatcc acagataatg caagatctcg tgaaggagag gctgcccagg ttcactcctg 180
agcaggctaa actggtgaag ggctcggcag actacatcgg tatcaacgag tacacatcca 240
gctacatgaa ggggcagaag ctgggccagc tggcgcccag tagctactct gccgattggc 300
aggttcaata tgtttttgca cgcaatggca aaccgattgg accacaggcg aattctaagt 360
ggctctacat cgccccgacg gggatgtacg ggtgctgtaa ctacctcaag gagaagtatg 420
ggaatccaac gatctacata acggagaac 449

<210> 21842

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-027-Q1-K1-B2

<400> 21842

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atcctagtgc atctgttggt tcctagttct atgtgaaacc agagtgttgt agcttattcg 120
ctctcaatcg ttccattacc atgtgttatg cacacttctg aatttgatat catccaagtg 180
accttttgaa ctagtttgcg ttctgcactt cattacactt ggacaccgtc agtctttgtg 240
accagtaatt ttgtttgtcg taatgggttg gttttgcaac tcgaccaata aaa 293

<210> 21843

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-027-Q1-K1-B8

<400> 21843

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gagacgtaat aaaaaaggat cgacgcggaa agttccgatt gaaataggat ctaaacaagg 120
ccaagagcac ttgccattcg ttggttatta gaagcatccc aaaagcgtcc gggtcgaaat 180
atggcctttca aattaagttc cgaattagta gatgctgcc aagggagtgg gggtgccata 240
cgcaaaaagg aagcgactca tagaatggca gaggcaaata gagctcttgc acattttcgg 300
taatccatga acagaatcta ggtatgtaga cacatggatc catacatctc gatcggaaaa 360
gaatcaatag aaggagaatc ggacgatatc tttttcgaaa caaataacat gat 413

<210> 21844
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-027-Q1-K1-C12

<400> 21844

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ctagtcgctg gaacctctg caacaaagcc gcctccacct gaccacctat tgagctcttc 120
cccttcctcg tgggttggtgc gagccctcta ccggcgcgca gtacaggggc tgattgggtg 180
atcaaaccgg caagatttgg ttttgcgatt tgggagcagg aggcggtggc aatatggaat 240
ataaggcgag atctactgga acttcaggaa cttcgtctaa aagtttccgt gatctgtaca 300
atatgaagta ctcgagctac ttaaacgacg aaccaatgcc ggatgctaca tcggaaaagg 360
agcaggttgt aatactcagg ctatttagtc cct 393

<210> 21845
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-027-Q1-K1-C2

<400> 21845

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cgatgtcttg caactgcgga tcaagctgcg gttgcagctc aagctgcaag tgcggccaaag 120
aagtaccctg acctggagga gacgagcacc gtcgcgcaag ccaacgtcgt cctcggcgtg 180
gcccctgaga agaacgacgc gcccgagtgc gtcgaggtcg cggcggagtt cgaccaggcc 240

gcccacggct gcaactgcag cggcaactgc aagtgaacc cctgcaactg gtgatcacat 300
 cgatcgacta ccatggatat gattattatc tatctagctt gtgcgaggcg ttgaacaata 360
 ataagcgagg ccgagctggc tgccatacat aagtattgtg aggtgtgtgt g 411

<210> 21846
 <211> 323
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-027-Q1-K1-C9

<400> 21846

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 caaagctaata gccaagtga gggtagggct atcatcatcc ccaataatgg cttacgtacc 120
 taaataaacg accttgcatt catgcaccaa ctgtgagagt taattgtgca ataattaacg 180
 gccggcatgt ctgtacgact acgcgtcttg gttgcaataa taaacctcta gttttgtacg 240
 tgtaatatata aaccactttc cacgcacctt acacgtaaata tcatgtcaga ctggatttct 300
 cctattactg agtactgccca cta 323

<210> 21847
 <211> 297
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-027-Q1-K1-G4

<400> 21847

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 gacgagtaat tttcgacaga tttaaagcac cgtggatccc agaagatact catggctata 180
 tcatgccctc ttgaacataa caactaggat gaccgctatg gccagagcca tgaaggatcc 240
 gccgacagcc atattttgcg taaaaaggcc ctttttaact ggtgaaaggg ccggccc 297

<210> 21848
 <211> 416
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-028-Q1-K1-F11

<400> 21848

aagttagggg tacaatccag aattgagatg cccatggaag gatgggggtga gatccgggtc 60
atcaatgagc atgtccgtca gtctgttctg gcaagtctgt acaaagctgc aaatgcattt 120
gtgctgccaa cccgtgggtga gggctggggc agaccgggtg ttgaagcaat ggccatggaa 180
ctgcctgtga ttgtgactaa ttggtcaggt ccaacagagt acctgactga ggagaatggg 240
tatccattgg atgtagacag gctgactgag gtgacggaag ggccattcaa gggccaccta 300
tgtgctgagc catcagttgc tcggctgagg gatttaatga gacatgtcgt tgatgataga 360
gatgaggcaa ggaataaggg gaagaaggca agggaggaca tgataaagag gttctc 416

<210> 21849

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-028-Q1-K1-G6

<400> 21849

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tttgaagaag aaaagggggc caagaagggg ggatgatttc acattccttg aagccctagt 120
aaaggcggac ttctggctac tgtttgttgt ttacttttgt ggagttggca caggggtcac 180
tgtttcfaat aacctggcgc agattggaat gtctgttggg gctaatagaca caactatttt 240
gttgtgcctc tttggcttct gcaactttgc tggtcgtatc cttgggtggat ctgtctctga 300
atatttcgta aggtcaagga tgctccctcg tcctttctgg atgatgtgca cacaataat 360
catggtggta acgttcctgc tcttcgcgac tgggtcttcat agcttgattt atgtttcaac 420
tactctcctg gggatatgct 440

<210> 21850

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-028-Q1-K1-H6

<400> 21850

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 gatgacactg atggaagcta tcggctatgt tattccttgg ccaactacac atgtgaagca 120
 agctagaagc tcattcttga cccgacacga gttggtacct gctgcacgtg gacaaagcta 180
 gatggtaagc ctaacataat tgctacgcgg atcaattaga ttctagtaga cactaacaca 240
 ataactgat atttgtatga cattgccact ttgactatgc ttcgttctga acacaactgg 300
 cagatactga acatgtatgc tatctagtct gacagcaccg tgaaatt 347

<210> 21851
 <211> 254
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-029-Q1-K1-C3

<400> 21851

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 tgtcttcgat agacctgcag tataaacttg aatgtttttg tgtgttctac agcttacagc 120
 taagtccgca ataggaataa aggtcgaaat cttgtttaac ctgccctatt agcaaatata 180
 cattccattg tggaccatgg gctgtacaat ggaatgtata ttgctaata gggcagggtt 240
 aacattccat tgtg 254

<210> 21852
 <211> 75
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-030-Q1-K1-C10

<400> 21852

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 ctttccttct tttgg 75

<210> 21853
 <211> 240
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-030-Q1-K1-D3

<400> 21853

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gtcgggttcc cttgggccga aggccatcca tttctacgc gctttgtact ctaggccgtg 120
tgtgtttggt aaatgtacat aacctgtaca tttctacatg ttatgaattg actttcttgc 180
acaataaaat tttgtagaat ggtttaaaca ccaatactga gttctatggc tcatgcttac 240

<210> 21854

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-030-Q1-K1-F4

<400> 21854

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tattgttggt atggaaataa gtgccacgca atgatcaagc ctctggaggt gtcattcttc 120
ttaataagt acacgcaatg ctcaagccgc tggaggcaga tttgtatttg catttgtagt 180
gtgtgtgtgt gtctatatat gctacctgtg gtgtatatac cgctgtgtgt gcaatgttcg 240
gttgagactt tagacaacta tactttatga atgatttaca tggttctgct caattatgtg 300

<210> 21855

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-031-Q1-K1-A9

<400> 21855

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ggcgacgcgg cgcggggggtt ccgggagaaa ccaggcact ccgagaagcc gaccaagtac 120
gccggcagcc ccaagagcag cgctcctcgc gtgatccacc agcctcgcta ggctcgctgg 180
ccggcccctg atggggactc ggtgactcac atggaaggct gctgcctctc tagcagcatc 240
tgctactggc tgcagctgcc gtcggcgctg tggctgtct gtcaaagtcg aagtaaaaaa 300
acgtgagtag ttgtactact gtagaagggt cttttgtata gcatgcacgt aagacatgac 360
caagaaatat aacaagaatg cagctgatag ttact 396

<210> 21856
 <211> 276
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-031-Q1-K1-D6

<400> 21856

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 ttgggtagtg ccgactgcgg acaagcaaac agctattatg caattgcaaa ctgtgtgtaa 120
 gctctgcagt ggtaaatagc atcccacttt gctcgttgta ctgttaagct agcagttgtg 180
 tgctagctag tatatcgggt aagtatgtga agaagctatt gcattggagc ctaccatatg 240
 ttaaacttcg catgaccta tattcacata aaagct 276

<210> 21857
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-031-Q1-K1-G6

<400> 21857

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 cttgtctata cagegactat cttgaagctg cagacacgcc tgggtggtac tgcggaccta 120
 acttctacac cacagaagtc ctccgcaagt ttgccaggtc acagctcgac tacatccttg 180
 gcaagaaccc attgaagatg agctacgttg tgggtttcgg aaacaagtac ccgaagcgcc 240
 ctcatcacag aggcgctcg atacctcaca acggcgctcaa gtatgggtgc aaaggaggtt 300
 acaagtggag ggacacaaag aaggcaaacc ctaacatcct tgtcggagca atgggtggctg 360
 gccccgacag gcgcgatggc taaaagatg tccgcacgaa ctacaactac acggagccta 420
 ctctcgcagc gaatgctggt ctggttcgag cgctgac 458

<210> 21858
 <211> 209
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-032-Q1-K1-C9

<400> 21858

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gatcttactg atctttcgtt tcaaatactaa aacgattaaa taaaatgtga ttgacacctt 120
gccatgtact ctaaaaaaaaa aaaaaaaacc aaaaacaaca atacaaatat aatacaaaaa 180
catcaacaac aactacatac cataacaaa 209

<210> 21859

<211> 303

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-032-Q1-K1-G1

<400> 21859

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tgccgctgct gctgggacga cgcattggca ggggttgatt ggggtggtcct tgggtgtaat 120
cacacggtgg cacgacaggt gccctcttgt ccccccccg tccccgtgaa cggacctaag 180
ttttattgga gcctagcatg aaccgcattg aatcggacca tgcacacctgc ctgcattgga 240
ccacggctgt tgtaaatgag atgcttcacc ggattattat ttttggtgctc cattttacaa 300
gta 303

<210> 21860

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-033-Q1-K1-C5

<400> 21860

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gtatcttccc cgagatccca caaggccagg cgagaaagga cttccaagt ctggtgcgcg 120
tcgaggcgcc ggcgcgtcca gaggcgcgca tccccatcga cgtcgtcgcc gtcctcgatg 180
tcagcggcag catgaacgac ccggcggcag cgccgacgga gagaacgaga acgacgtcga 240
ggctggacct gctgaagacg gccgccaagt tcatggctgc gaaactcgag gacggagacc 300
gcctctccat cgtcgcgttc agcgatcggc cagtcagaga actgagctcc ggcttgctgt 360

acatgactgc tgacggccgg aggaacgcca ttaggagctt ggaccagctg gaggcccgcg 420
gcggcactgc gctcgtgccg gcctt 445

<210> 21861
<211> 377
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-033-Q1-K1-F3

<400> 21861

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aataaaaagt tcttgcta atcttgttct agtgggttag tgcagaagta gcagcaggca 180
tgattgaagt tccattgtag tactgatgtt catcggcact tgatctgtga caagtgcagg 240
cattctttcg tatcttggt gcaaattctt cgttgtccag aatataattt cagatgggta 300
atgccaatc gggccgtgtt aaaaagaaaa aacacatata ttctagataa acaaacacga 360
acaatgagca gacacaa 377

<210> 21862
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-033-Q1-K1-F8

<400> 21862

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gaagtgtgca ttgtgtcatc aacaatgatg cctctaaggt gaacttcat ggtccacatc 120
agagttctgg ttccactttg ctatgggaga aaaatgagcc tccagtcaat cctacccgct 180
acaacttgtc cgcatttgca ataactactaa atgagttaac accagagctc gaggtacaca 240
tggaacatac atatatccca taatctgagt tctgttagct cttaacctaa aaggctacga 300
cacatctttt acgctcttgt taaggagaag ctgccaccga cggattcaag gctgagacca 360
gatcaacggc acctggagaa tggggagtac gagaaggcca atgctgaaaa actgcgcttc 420
gagacacagc aacggatggt tgtacacatt ttac 454

<210> 21863
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-034-Q1-K1-E7

<400> 21863

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 ggcgagcgta cctgtttatg ggagattatg ttgaccgtgg ttactactct gtcgaaactg 120
 tcacactttt ggtgtcttta aaagtccgat atcctcagag gatcaccatt ctgagaggaa 180
 accatgaaag ccgacagatt actcaagttt atgggttcta tgacgaatgc ttaaggaagt 240
 atggaaacgc aaatgtctgg aaaacattta cagatctatt tgattacttc cccttgactg 300
 cattggtcga gtcagaaata ttttgtttgc atggtggatt atcgccatcc attgagaccc 360
 tcgacaacat ccgcaacttc gaccgtgtcc aaaaagttcc tcatgaaggt ccaatgtgtg 420
 atcttctgtg gtctgatcca gatgatcgat gt 452

<210> 21864
 <211> 278
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-034-Q1-K1-F5

<400> 21864

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 cggcgtggaa ccgcactaat aatgtggacc ggaacctctg ttaccgtcgt ttgtgctgtc 120
 gcgtgctagg tttatgctga agtggattcc tttactccgc acaccgaact gtgtctgttg 180
 tacatcacgc cgtgacgccg gtggtctcgt ctgtctgact tcgttacatg gatcgtctag 240
 tagtaacgga atgcagtacc acgtgaaaaa aaaaatta 278

<210> 21865
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-034-Q1-K1-G6

<400> 21865

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ggaattgagc ggttgaaaga agaaagagac aacatgcttc agcaaaatca gcaaattgcaa 120
cgtgaattgg atgtgcttcg gaggcgcagg agccgcaaag gcgatgcaag tttctccctg 180
acgttcgccg cgtttctggt gctaataagg ctcatgggtg ggctcctgat gagcctcatc 240
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cgttgttgag ttgagaccga cgtgggggaa aaggctcgct cgggggaaga agaagatgaa 360
atttctgctc tagtctccat ttttctttct tttggctgtt gcattctaag tattattata 420
cg 422

<210> 21866

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-035-Q1-K1-C7

<400> 21866

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ggttgaagag aggattgcag ctgcagacag gagaaagatt gagggcaatg catatttcaa 120
agaaaagaag cttgaggagg ccatgcagca atatgaaatg gcgattgcat acatgggaga 180
tgatttcatg tttcaattat ttggaaagta cagagacatg gccttggctg tgaaaaatcc 240
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gcagtgtagc attgttttga cagaagatga aagtaatgtc aaagcgctgt tcangcgagg 360
aaaagctaaa tctgaacttg gccagacaga atcagcgagg ggaagatttc ctcaaagcga 420
agaagtactt ccc 433

<210> 21867

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-E7

<400> 21867

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ggcgagtgat ccgcgcgtgt gaggtcctct cgaactctcg gctgcctctg atttggttcc 120
aataagatgg ccacaatgtg cggtcctgaa tgttctggac ttctggtatt gatggaacac 180
gagctgaaca ctatgctgct ggtttttctg ttctgacttc aaatttgccc ggtgatgatg 240
gcgaatgtcc tgaatattct gaatattttg aaatgtttga ctgttgatt atcatcttat 300
ccttgcgttg cactaccgca tgagcacaat ttaggattat actttgctat caaaaaaaaa 360
gatgtcaagc agatctgcaa tataatactt tctctacaca tagcctg 407

<210> 21868
<211> 451
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-035-Q1-K1-F1

<400> 21868

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tcaggatttg gttggggttc tccacgcttt tcagcctcat gtatattgtg atagcagttg 180
tgctgtcgtc gagagatggg ataaccgcac ctgcaaggga ttacagcatc cccaaatcat 240
cgcagtcaac tcgagtcctc actacgatag gttccatagc agaccttggtg ttgcttaca 300
acaccggcat gctgccagaa attcaggcaa ccatcaggcc tncgtgtggtg aagaacatgg 360
agaaagctct atggttccag ttcaccattg gctccttgcc tctctatgct gtagttnttg 420
tgggttactg ggcttatggg tctcaacat c 451

<210> 21869
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-F5

<400> 21869

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ggtgacctat gatcaattgc taatgctgga ggctaatacta ttttttggcg cctttgccta 120
 ctatgatcgg catagagaca tgcggatgga tattgatgat atgtcctatg aggaattatt 180
 ggccctggac gagagaatag gctctgtgag cacagctctt tcagaggagc agttcacata 240
 atgcctcaca agaagcatat atcgtcaggt cgctctagaa gtgaacacat caaccgttga 300
 tgacatgaaa tgcagcatct gtcaggaaga gtacgcggag ggcgaacagg cttggaggct 360
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 gtgtacagta tgcaaagcg 439

<210> 21870
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-035-Q1-K1-G5

<400> 21870

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 ttggatgcag aggaaggagg ggcagtaaa cattcagcac ccgctatcga cactgatcac 180
 cttgtgcggg agatgatgga caaggctctt ttgtgcaatg gcgagacatg ttcaaaaggc 240
 gtcaaggaac tccgtgaagc cctgcagcat gacgtggcaa agaattcaca cgggggttcat 300
 ggaaaagggg ccggacatgg caagggccgt ggcaagaaac agccgaagaa ggaggtgggt 360
 gacttggaga ctctcctcgt ccaactgtgt cagtctgtgg ccaccgatga tcgacgtggt 420
 gcaactgagc tcctgaagca gatcagacag catgc 455

<210> 21871
 <211> 334
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A1

<400> 21871

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aaccagaggg aatacgagtt agcttgaaac ttttggaagc aagtcctgca gatgctgaaa 180
atcatgtttc aattctgcc a gtaaagtatg aagaacctta acatgctgatt cagcacattg 240
aaatttagga aacttgcaact gtaaataag tgaactcctt gtcagttata atttttcctt 300
tccaatatat ctctaccctt tttaaagcaca aaaa 334

<210> 21872
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-A12

<400> 21872

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cggtctgtat gcctgggcag tgctgggtgac ctactccttc gaagcaggca gcttggacca 120
cgagctggac atcacgtgct gcgactgacg gtacaaggtc cttgacaaca gacagctgct 180
gacgtgacg ctagaccgca catacggctc caggttccaa tccctgcacg agtacctggt 240
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actactacca tgatgtgcaa agccagacgc acgacgagat cgacttcgag ttcattgggca 360
acttgtccgg cgaaccctac acgctgcaca ccaacatatt cacgcgggga catgggcatc 420
atgagcagca gttccgactc 440

<210> 21873
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-E10

<400> 21873

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ttaccattac tgcattctcc aagatggttg gctatgctct ccaggctgca gagatactgt 180
ccaaggaagg aatcagtgtc gaggtgatca accttcgac gatcagacca cttgatagag 240
ctgctattaa tgcattctgc aggaaaacca accgattggt gactgttgaa aaagggttcc 300

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338

<210> 21874
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-036-Q1-K1-G6

<400> 21874

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aaagatggaa atgaagaaaa gggtccgtca ctgcacggag aatagaagag gtttgacctc 180
tatactaggt ggaaatagaa tggaaggaag aggggtggta aacagtaaca ggctactcta 240
cctatacaac cacagagacg tctctctctg atgttgctg agcgcgcggc gccgtctctc 300
aacgaaacta ctcgctgccc actgctgccg tcggcattcg tgccgtgccg tccagctcgc 360
gcctatcaca tgactctgca tgagttgggg ttctcgacgt cgaatatgc 409

<210> 21875
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-037-Q1-K1-C8

<400> 21875

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gctccaaggg gcgggcgatc gctgggagct tcgtcagccg cgtcctggcc ggcaaggccg 180
cctccccgag gagggccgtg cacgcctcgt cgtacgacaa gaaccggag gagcaggtgc 240
gcccggcgtt cgtgccggac gatgtgatcg gcggcgccgg gagccccgac aagtactgga 300
gccccacccc caagaccggc gtgttcggcc cggcgccggg ggacaccaac cagctgggcg 360
tcgccgctga cgtgcgccgc gcgaatgcgg ctgcagcagg aggcacggt 409

<210> 21876
<211> 451
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-037-Q1-K1-D6

<400> 21876

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tccttctagg ctataccgat ccttctaaac cagatcttcc ccggttgcat gaatggcaat 180
tccgatctgg actggatcgc tacatttggga ttgtggggat gatatatgca tattaccatc 240
caactgttga gaagtgggtg gagaagctgg aagaaactga aatgagaacc aaactctata 300
ttaagacctc aatagttaca gtgtcaatga tggctgggta tttgtggat gaatacattt 360
ataagctgga taagattact tacaacaagt tgcattcata tacatnctgg atccccataa 420
cttgctacat atgcctacgc aacttcactc a 451

<210> 21877

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-037-Q1-K1-E3

<400> 21877

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tcaccgacaa cgaattggca tacttggaat gtatccatct gtttgtcgag atattggacc 180
atctcttcag caatgtgtgt gaacttgatt tagtatttaa tttccacaag gtaactttat 240
gcttcactac gctaattctag caatctgcaa taattcaata cttntatct tttcacatct 300
tgtattttaa ctttaaagag cagtttccaa ctaaatttc tctttatcaa catgttcttt 360
ggtaacacaa tttgcatata ttgagctagt gttagttggg actgtattct ggctaagact 420
tanaaaagac tgctggcatn gattgtgtta atcatgtact 460

<210> 21878

<211> 407

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3062-037-Q1-K1-H10
 <400> 21878

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ggcagacatt gattctggat atgaggcagc agaaattgca gcttctactc aaacctcttc 120
gggtgtcaca ccatatctgt gttctgctgg aagtgttttt ggcagttcat ggatgctggt 180
taatcatgac caatcagatg gaccatcaac ttctgctggt acatcatcgc agcagaaagt 240
tgtacctcaa agcgagcatc agcggaattt aaaccgcctt ccagatctgc aggaaattcc 300
agagtcaaaa aacctttttg ctgaccttgt tccttctggg gataataagt ccaagaaaac 360
ttcagtacca ttcaaaggac cagatcatag gaacaatgag ttgcaaa 407

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<210> 21879
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3062-037-Q1-K1-H2
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caattggagt caggagttgt tatgatgagg gtaagcgtgt agcagagacg ctgatgttcg 180
actatcacag gcagcatggc attgaaatcc gaattgccag gattttcaac acctatgggc 240
caaggatgaa cattgacgat ggccgtgttg ttagcaactt cattgctcaa gctgtgctg 300
gcgaaccctt tactgtccag aaaccaggaa cacagactag gagcttctgc tatgtcgccg 360
atatggttga tggctcttatt aggctgatga acggaaacaa cactggaccg attaacttng 420
gggacccang tgaattcacc atgctgga 448

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<210> 21880
 <211> 251
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3062-038-Q1-K1-A1

<400> 21880

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tgagctgtga agcaagtcac caatttaca cgagcgagct agctagcagc actccaccat 120
atgaatgatt aacatcacgc acgcgcatgc atgttgatga gtaataaatc ataagcgcta 180
tttactagc tagattcact ctcttttctt acgtggatag aaaatctagg aaaaacgaga 240
atagctagcg a 251

<210> 21881

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-C2

<400> 21881

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cgcatgggct gtttctaata ctcgagtga ggctacagaa aggtttgaag cagcctaccc 120
aatgatcaag gagttggctc ttgccggctc tcttggtca aaaactgtga aacaagcatc 180
acaacagctt ttacctttgt gtgcaaaagc aatgcaagaa aacaacgcag agctcaccag 240
ggaggctggt gatgttttca tttggtgctt aactcaaaat gcagagtcgt acaagcagtg 300
ggaaagaatt tatcttgaaa atattgaaac cagtgttgct gtcctgagca aagttgtgat 360
tga 363

<210> 21882

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-038-Q1-K1-C5

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ggtcgcatc cattaggtgt tccttctccg ccgtcgccag catcaggggc gccgcttccc 120
ccaggccctc gcgcgtcgcc accctcgcca gcgcctgcgc cggcgcccg ccccgcgcg 180

tccgtgctgg ccacacggac tcaatccttg aggtgctggc acaggacgat atgctgaacg 240
cataggagct ggtccaatgg gagaatggct tgtcattcaa tgacatagcg ggctaggcag 300
gngattcgc atccgcagac actgccgccc cactgccctc ttgaaggaga tagaggagga 360
gcctggagcc ccccttacat cctagagang atcatttggg acaaggagat tgaagtagct 420
gag 423

<210> 21883
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-E6

<400> 21883

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cgatgtggga gatgtatcga cagtgaagtt gaatttgaag agacattttt tctggggagc 120
atgtgccgtg actgtgtcaa gtattcacc caccacagaa aaatagatgt ttgattctgt 180
tatccattgg atggatacag ttgtaacatt ggatttctgt gattgatgct cccatccatc 240
atacatcttg actgagtatt tctaacaagg aaaaaaaga gagaaaggtc taccagtttg 300
ctatcgggtg aagtcagca gctgatatat tgtttttgct tgcaagaaaa acgaaaaaaa 360
acagtataac ctaggaaatc agaagatcaa agtatggttt tcctatcatg gtgtcagcag 420
tgaatggatg caactgacaa 440

<210> 21884
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-038-Q1-K1-F8

<400> 21884

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atccaaaata tgggtggcctt gtccctccgc agtcaactga ttcaccttat ggtcctgatg 180
ttgttagatt gtttaatgac gctgctcaga tgtcacctga agatgcagat gttcatgtag 240

ttctgggagt cttatacaac ctatcaagag agtatgatca agctataact tcattttaaga 300
cagcagtaca gctcaaacca caagactact cactctggaa caagcttggt gcaaccaag 360
caaacagcat ccagagtgct gatgcaatat tggcgatca gcaggcacta gacttgaaac 420
ccaactacgt gcgtgcatgg gcgaaca 447

<210> 21885
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-039-Q1-K1-B4

<400> 21885

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tttgatgtct ctatgtccga gttcaatacc acagattgct ctatggaatg cttcaaatat 180
tttcatgcaa tgctcttaca acatttatac ataatcttca tgcttgctct ccatgcggtg 240
tcaatttgca ctttttactc caattatact atcatactta atatcatcaa cacaacttgc 300
tagtcatatg acatttttta accccttcag cacatccatg attgtcttct acttgcatta 360
taaaatatct ttctggacta tgctggttat ctaaagag 398

<210> 21886
<211> 283
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-C4

<400> 21886

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ttacatagaa tcaaatagta cttggagagc aaaggcgtca acattaagtc gataaatact 180
atagatgtag agcaaggtat tatctgtatg gttaaacaag gccaacacat atgcctgcag 240
gtattattaa gaatactgat catcttgtag gatatcatac tta 283

<210> 21887

<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-F6

<400> 21887

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ccgccgatga gcaagctgga cccggccgtg tacggcccgc cggagtcggc catcacggag 180
gagcacatca tcgggcagct cgacggcatg tcggtgcagc aggcgctgca ggacgacagg 240
ctgtacatgc tggactacca cgacatcttc atgccgttcc tggaccggat caacgcgcag 300
gacggggcgg aaggcctacg gcacgcgcac gctcttc 337

<210> 21888
<211> 199
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-G6

<400> 21888

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tgtttctctg aacagcgaga agtctcctca ggctatggtc tccatgcac tttcgccggc 120
aaatcagggc tatctgatcc tgaactatct aacaagctgc tcattggcta ctacccttat 180
caaggagggg aacaagaca 199

<210> 21889
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-G7

<400> 21889

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atacacaaag aggtatggaa ttgtaaatgg agaagtggag gtagatggtg tttgtgatga 180

accggccagt gagaatactg ttgagggaaa agaaccagac gctaaaggag ttccagactt 240
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 agccgctttg aaatatctaa aagatatcaa gtgggtctaga atcgaggatc ctaagggttt 360
 caagctggat tttttctttg atacaaaccc attcttcaag aattctgtcc tgacaaaaac 420
 gtaccacatg gttgatgaa 439

<210> 21890
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-040-Q1-K1-H7

<400> 21890

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 cgtgcatccc gtacgcgacg gggagggcca gcgcgctccc cgcgctcgtgc tgcagcggcg 240
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 gcaagtgcgg cgtctgcgtc ggattcccca tcagcatgtc caccgactgc aacaagatca 420
 gctaagttac gacgaccaag ctaataagcc taccgaacgt acacg 465

<210> 21891
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-A5

<400> 21891

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 aagaaaaaaaa aaaaaaaaaa gaaaaaaaaa aaaaaaccca aaaaaaaaaa aaaaaaaaaa 120
 gggccgcctt ttttaaagat cccaacttta cttccccttc cttccaactt taaacctttt 180
 ctatagtgcc cccaaattca atttaattgc ctttctttta aaaccttcta acctggaaaa 240

cccttggtt acccaactta attccctttg aaaaaattcc ccttttccca agttgcctta 300
 ttacaaaaa gccccaccc aaccgccttt ccaaaaattt gccaaccta attgccaatt 360
 ggaccccccc ttttacggc ccttaaacc cgtcggtttt ggggttacc c 411

<210> 21892
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B12

<400> 21892

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<210> 21893
 <211> 139
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B5

<400> 21893

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 tcttagtttg gcaaaaata 139

<210> 21894
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-041-Q1-K1-B8

<400> 21894

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ggccaagga acccaccaca tcgaccgaga cctgaaactg atcaacaaag aactccgac 180
cggcctactc accgtgagcc tgcaccacga agacatgcaa atcctcagag agaacaaggg 240
agtaatgctg tggcaccaag aagcccctac aggacagctg ctgggtctgc ttcgccaatg 300
cagtcaaaca accaatcaaa gccgaatcat agatcgactg cgatgcaggc tccagagaga 360
aggcattctt cagaggggca tagccagcat acacctggaa ggagtaggat gaagcccgg 420
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<210> 21895

<211> 471

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-042-Q1-K1-D1

<400> 21895

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catgattgtc ctctgctgg tggctatcct tttcggggca ctgtatacca agtgatgcac 180
ttgtagctgg cttttttccc ctatggagac gagacaaact ctgccaatct gatccttttc 240
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tcatacggca gcatgctact gcttccatga ctccgttact gctctcgatt cgtttcttca 360
ttatgttttc tcgcgcgttg tatcgtttga agctgtttta agcaacggaa aanaatacca 420
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<210> 21896

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-042-Q1-K1-G2

<400> 21896

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cgaccaccga catccctctg gacaccatga acgattcgaa gggcaaggcg aaggagctgt 240
ctcagtggga gtcagatctc aggaggagg agtcggatat caggaggagg gaggaagctc 300
tcaagagcgc tggggtgccc atggaggaca agaactggcc gnctttcttc ccaatcatcc 360
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<210> 21897

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-C7

<400> 21897

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ctgctagcgt acgtgctaca gcatgtcacg taaggtacac gacgacgacg acgacattga 180
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gcacttgccg gggatggt 438

<210> 21898

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-D1

<400> 21898

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gcgacagctc ctgcggccga cgcgatggggc aaggaggggc actacatggt gtgcaagatc 180
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gccggcggcg agctcgcgga gacgtgctct tgggcggaca cgcagagggt cccgtaccgc 300
tggtccagcc cgctgcaatt cgccgacacg ccaggggact gcgagttcga ctacgcccg 360
gactgccaca acaccaaag ggagaagaac atgtg 395

<210> 21899
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-F6

<400> 21899

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cggctcgcac ggcaggtgga tctcagcgt aggcaggtgg aagcgtgggt ccagaacaca 120
catgttcaga taacacacat gttcatgctc atgctgacct cacacagaat gaatacttct 180
tcaggtacag ggatgaccgg aatgcagcag aatttttttag agctaattgt gatataaatg 240
gacttaaate acactgtaat agtcagttaa tatgcatgcc actactttgt taaagcgaag 300
atgcatgcca cttcttctag agcaagtga tgggggtatg agttggatgt tttaggtctc 360
tgtttgatgt gggatggaga ccatcagaag agatttgatc accatcgagg tatggagggg 420
aagcagtagg agttcccggg g 441

<210> 21900
<211> 260
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-043-Q1-K1-G12

<400> 21900

tggatcccc cgtctgcatg aattcggcac gagaaaacca tctgctggta cgtacaagac 60
gtcattcaag gatgcttgat tgcttgacta gctggacact gaagcaaacg tgatgcacca 120

ttgatattaa ctcgtgaaaa tttgagaccg ccactacta ctgcactgga attgactctc 180
ctactcaacg tgactctacc atgaacatgc ttaccactac cttgcattat aactctactg 240
tcataataac tggttccatc 260

<210> 21901
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A3

<400> 21901

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aaaagctgcc tgagatcagg aagaaactct tcagctacca agtatcctaa tatcttttaa 120
ttttttgcta ttattatatt ctctgatcga ttgctttctg aaataaatcg gaagcgggtc 180
gtcataactt ggaactcggc tgtctctgcc aaaataatgc ttaacaactg gtcgtcgagt 240
gatctgcttg ctctctctt tttttccttg gaggcatagt aaatctcctt tgtcaagtgt 300
actagcatgt agcacaaaaa tgttctcttg tagacgaatt ttgaagctca tcgaaggctc 360
gcgagcaggc 370

<210> 21902
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-A7

<400> 21902

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ggaaggccgg acatggcaag tcagacttcc tggggaagtc tgacgatatc cctccggcaa 120
agaggctgac gagaaaattg gtcagctaaa caagggtacg tatagtgaat atccgatcat 180
gtgcaggagg gtggagggat atggagtata gtgtgcagga accagtgtgc cgaagagagg 240
ctagctcata ctgagcgttg gcctgtcgat ggctgcgcgg atttgccatc gacacagggt 300
tgctgcatcg agtcatctta ggaatggcta tgcaaaactcc tttgtggagt gctagagcct 360
gcttccagcc ttaac 375

<210> 21903
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-044-Q1-K1-B4

<400> 21903

tgtgaaagct gcagtcggac gtttgaatgg gagcagattc agagagaccg caccgaaagc 60
aactggaggg acttctagga gccagttcaa atagaaccag tgccgttggc tctctaaatg 120
ctgtggtgaa aggaaaacaa cccctgatca gagcatttcc gtttctgagc atcgttgaag 180
atagttggca ttgggcccc ggaggacctc gaggggctgc agaggttcct ttgcttcaga 240
gccccctctgt acctattcat caacgtggac cctggaggac cgttactgcc tgctagtagc 300
agctcgttat tttgagctca tcttttgtgc tgctcgtcag ctcgtgttca aaccaagcct 360
actgctcatt tgctttccct gcagcagcag cagcccctac tgttgcacgc aagaaagcaa 420
tctcattagc gactgcgttg aactgtagt 449

<210> 21904
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-044-Q1-K1-C4

<400> 21904

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gtgaagagca acatagaagc tgtttgatg ggacactctc ctcccttgct aaggctcgca 120
attgtggatt tggcattacc aaaaactcct aatgataact ctctgtcatt gtttgctgat 180
ccccttgctc cagagagatt ttattgtgcg catgggtggg ggcttgacat ggtcacactg 240
cacttcctac cattttcata ccctgaaatg tcttcgacac caccctctgt gcacctgtc 300
ctcactacag ggaacagcga aacaagctca ccttttcttt ctggatttgt taccatagct 360
gatgcatatg gtcacgtaca gtttagctggc atcacatgct ngggtgagtg ctttgtggtg 420
gagatgaagg ggtggaagga accgcac 447

<210> 21905
<211> 393
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3062-044-Q1-K1-H6

<400> 21905

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ctggatggaa gtatatccat ggtgatgtct tcagggtccc aaagaataag tcgctatattt 120
ccgctgctct tggcacagga actcaactat ttgctctcac aacctttata ttccttcttg 180
cacttgctcg agtattctat ccttacaacc gtgggtgact atttactgca ttggttgtca 240
tttatgcact cacttcacga attgctggat acattgctac ctctntctat tgtcagttgg 300
aggggacaaa ctgcgtgagg aacttgctat tgacaggatg cctattctgt ggacttntct 360
tcctgacatt ttgcttcttg gacaccgttg cta 393

<210> 21906
<211> 166
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-A3

<400> 21906

tcgacgcgac gcgtacgcat ggatccgctg cggtgattag catgagttta ttgggtaact 60
agtggggagt actaaatggc ctggcgtttg gacgtttcaa ctgttatgta ctacgctttc 120
tcgtgtctca gatgcttgca ttaaattagt ggcgcttttg catttt 166

<210> 21907
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-A9

<400> 21907

cacggccatc gtggcgaggg caaccaagct gagcgctact cgcagtcgca gttgttgcc 60
ggccagcatg cagctctaac tcaccccggtg cagcagacgc cgagtcgtgg caggtagcta 120

ggaaggaggg ccggagggaa gggaaggga gccatggcg ctggaagccg tgggtgtccc 180
gaaggagcac ctacggggca ctgccaaggc gcgctcgcg tcgtcactgg cctgcggctt 240
ccgcaccgag gaggtcgagg acaacggcgg tgtggttctg caaggagagg ccggcgcggc 300
caccacgtgg gagtactggg acgcggcgct ctgcccgtgc tccactgcac ctgctggtgc 360
cgtggaggag tgctgggacg tg 382

<210> 21908
<211> 86
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-045-Q1-K1-F3

<400> 21908

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aagtcaagtt tccttagcta agccgg 86

<210> 21909
<211> 313
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-B12

<400> 21909

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tcgtgggctg cacaagggtt ggaccatttt gttcagaaat tgcgatttag ggcagccgta 120
ggcagtcac catttgata ttcttcatt gctgtgataa gatggtaaga atgctcaaaa 180
tttttttttg gttaaatgaa aataagaaaa actcagtttg attcaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaacaaaatt aaaaaaaaaa aaaaaataa aaagagaaaa tggtaaaaaa 300
aatataagag aaa 313

<210> 21910
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-B3

<400> 21910

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tggacaacgg caacaacaac gacatcgctt cgctggcgcg ggccaactac ccgccctacg 180

gcatcgactt cgccgcccggc cccaccggcc gtttcagcaa tggcctcacc accgtcgacg 240

ctatatctcg gcttctgggc ttcgacgatt acatccccgc gtatgctggc gcgagcggcg 300

atcagctcct caccggcgtc aatttcgctt ccgccgcagc cgggatccgt gacgagaccg 360

gacagcaact ggggcaacgg atc 383

<210> 21911

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-B7

<400> 21911

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atgatttttg aactgggggc aggtcagagt ctagagcatg ttcattccac gtatgttggt 120

ttcgtgactt gttttcgggtg atttcagatc tgaatggctg acattttgtc tccatcgata 180

tttaatagta aagcaagggt tgtgacctgg atttattggg tgctgtagac attggaagtg 240

gattttcctc aattggagat attgacaaat tggaaaaaaaa tgtgacttga cctgtgctgc 300

aacaacctta aactaagagg ggcttctaatt tcttcatctc taccaacagg actctactgt 360

tactttttta accaataact ttttc 385

<210> 21912

<211> 210

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-B8

<400> 21912

cccacgcgtc cgtagttcta gatcgccaca cttttttagt gcatgtattt ttgtaggacc 60

tgatttttgg aggggaataga ggggtaagggt aaaacaatga aaaacgtagg agttcggaag 120

tagttcggca aaatgtccac acctatgtaa ttgtattgaa actgactaaa gctagtgcaa 180
ggaactgaca cttagttttg ttttgtgttt 210

<210> 21913
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-C9

<400> 21913

ttgcaatcac aacgaacaaa agctctcgat ctcaccgaca ccgaggaaga agagatgaat 60
ggcgtccgag cagggagtcg tgatcgctg ccacagcaag gctgagtttg acgcccacat 120
gaccaaggcc caggaagccg gcaagctggt ggctcattgac ttcactgccg cctggtgcgg 180
tccatgccgc gccatcgccc cactgttcgt cgaacacgcc aagaagttca ctcaggtcgt 240
gttcctgaag gtggacgtgg acgaagtga ggaagtcacc gcggcctacg aggtcgaggc 300
gatgccgacc ttccacttcg tcaagaacgg caagacggtc gcgaccatcg tgggtgccag 360
gaaggacgag ctccctggccc agatcgagaa gcatgctgcg cctgcgcctg cgtctgcgtc 420

<210> 21914
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E2

<400> 21914

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cgcacaggca aaagagatgc ttgatcacct ggaaagtgtg ctagcaaag aaccagtctc 120
tgtcaagagt ggccagttca ttgttgaagt caaaccacag ggaataagca agggaatagt 180
tgccgagagg atacttgcac cagtgaagga gagaggaaag caggctgatt tcttattgtg 240
catcggcgat gataggtctg atgaggacat gtttgaaaat attgctgata tcattgggag 300
gaatttggtt gctccaagaa cagcactgtt tgcgtgcact gtgggacaaa aaccaag 357

<210> 21915
<211> 440
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-E7

<400> 21915

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ggcgccccga agcgactggg cgcacgaag ccgtcgtgga tcgttcgcac tgagtcaaac 180

gtgaggaggg agagagcaaa acgacctgat cctccttgca ccatctgcaa gggcacaggg 240

agaatagact gccgcaactg ctttggccga ggaagaacaa accatgccga tgtggccatg 300

cttccgaacg gcgaatggcc acaatgggtg cgaatttgtg gtggtagtgg actggattac 360

tgcctccggt gccatggaac tgggtagtat cgtgaacca tgggctttca cttcactgtc 420

caaagaaaat gaggtgggat 440

<210> 21916

<211> 385

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-046-Q1-K1-F5

<400> 21916

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ccatggcggtg gatcctgggg ctgggtcga gcctgggctt ggtgagggtc ccagggatcg 180

gcttcgtgta cacggagctg gcgagcggcg tgccgcacat cttctccac ttcacacca 240

acctccccgc gatccactcg gtggtgggtg tcgtctgcgt caagtacctc cccgtgtaca 300

ccgtgccgac ggaggagcgg ttcctgggtg ggaagatcgg gccaggagc ttncacatgt 360

tccggtgcgt ggcgaggtac gggta 385

<210> 21917

<211> 195

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-G6

<400> 21917
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 ttacagacct ttggtgcagt atcatctcat atttcgagtt gaaatggtaa tcaactgaatg 120
 ctcttcgcag ggcatttcca gcttgtatct tctccatgag atcgcatcta tactcggact 180
 cgtggacgat gacat 195

<210> 21918
 <211> 281
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-046-Q1-K1-H4

<400> 21918
 tgttetaagg gacctgtaaa tgcttgtgcc ctatattgtg tgcctccaca tattggggag 60
 cttgaagcat cgacaagttg ctagtcattg cttacgtata taagaacata agtagtattt 120
 gctattgtca agtgtgcctt gcttgatgca agttgtgttt tcgtatcatt attattatgc 180
 acggccatcg tacgtgtatg gcttgtatgg gttattgccca acttaataaa agcacactct 240
 gtttgcctaa aaaaaaaaaag aaagaaaaat aagtacataa a 281

<210> 21919
 <211> 349
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-047-Q1-K1-B2

<400> 21919
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 ccgtgatgat ggctcgtcg gccaccgccg tcgctccgtt ccaggggctc aagtccaccg 120
 ccagcctccc cgtcgcccgc cgctcctcca gaagcctcgg caacgtcagc aacggcggaa 180
 ggatccggtg catgcaggtg tggccggcct acggcaacaa gaagttcgag acgctgtcgt 240
 acctgccgcc gctgtcgacg gacgacctgc tgaagcaggt ggactacctg ctgcgcaacg 300
 gctggatacc ctgcctcgag ttcagcaagg tcggcttcgt gtaccgcga 349

<210> 21920
 <211> 219
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-047-Q1-K1-D10

 <400> 21920

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 gtgacgggga agagtgaagc tagtgggccc cgcctgtgcc gtagcaaaac tcgttccgga 120
 gggcagaact accgccgcgc acgacgaagt gggctagcga ccgcgtgctg gtctcgacta 180
 cacggttctc cttgcacagg aactccctgg agcacgccc 219

<210> 21921
 <211> 396
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-047-Q1-K1-G1

 <400> 21921

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 ctcatgtgtt aaaaaatgta ccacctctc ttctgtggat tgtggcgga tggccatata 120
 agtcccgtga agcagcggag atcctgaggt cttctgggggt tatgtacaga catcttatct 180
 gcaatcggaa cagtacaaat ataaggaaga ttattgtctg ccaaagaac aatgcaattt 240
 ttcatatcaa gaagcaccgt ttagatggta tagtacattt tgctgatgag gagcgagtgt 300
 actcagttga tttatttgaa gacatgcgna aaatcaggcg cttttgtacg tggccagtag 360
 cgacacatgt ttggaccggg taccaagggg gttttg 396

<210> 21922
 <211> 258
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-048-Q1-K1-E6

 <400> 21922

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agagctacct tgctctgatg actgtcattt tcttctgggc tatgcacaag accgatttct 120
tctcggacaa attcgggtgtg aggtcgatca gggacagcga gcatgagatg atgtccgccc 180
tgtaccttca agtgagtatc gtgagccagg ctctgatctt cggcaccctt tcccgtatct 240
gggccttctt ggagcgcc 258

<210> 21923
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-048-Q1-K1-G6

<400> 21923

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gtgtttctgg tttccctaca ttgaagttct tccctaaggg aaacaaagcc ggtgaagatt 120
atgatggtgg ccgggacttg gatgactttg tcaagttcat taatgagaag tgtggcacca 180
gccgggatcc aaagggccac ctgacttcag aggctaggct tgtgccaagc ttgaatcctc 240
ttgtgaagga gtttctcaat gctgttgatt acatgcggaa ggaaatcctc tctaaaatag 300
aagaggatg 309

<210> 21924
<211> 268
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-049-Q1-K1-B3

<400> 21924

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gtcgttgat tatgtgtacc attagcatcc attttgtttg tttctagaag ttggtaatga 120
ccgtcggaga agagcctgta attgttcgat catgtattgc ttacaatttt tttttaaaccc 180
gatgaaataa aacaatcagg cttaacatct cataaaaaaa aaaaaaagag ataaaaaaa 240
acaaagaata atacaataaa tagatcat 268

<210> 21925
<211> 388
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-049-Q1-K1-E11

<400> 21925

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acctggaagc cgtcaccggg gagacgctgt acccgggtgat ctgcgcggg gagagcgccc 180

tacgatgggg cttcgaccgc aaggtctact gcctcctcgc tgcgcagctg ctctgacca 240

ccgacgtctc cgccctcacc gttctccatg ctacccttaa cgccacgctc tgcgacttcg 300

tggacctcgc gctcgagctc gacgtccttg cttcattct gatgatcca ttgtatcatt 360

atcagcacat gcacccacac aatttcgt 388

<210> 21926

<211> 271

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3062-049-Q1-K1-E12

<400> 21926

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atataccact tgctgtggat gtatgcctgt acattgttgg caaggatcaa tatgatctgc 180

ttgctatctc ttaagtgatc ttagcaatta cttcatctgt caatgatgat ttgtcgaaac 240

cttctacctt gcgcctatctt cttgacaaat a 271

<210> 21927

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-049-Q1-K1-H11

<400> 21927

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gactggcaaa ttgaggaag gaaccaatga agatatgtct atcgcaaagg ccattgcaat 180
 tgttatggat agaaatccac agttgaagca agaacggatt gtcacgaag ttcttcagt 240
 gtatttgtgc cgtatggagg gttggtttgc cactgacgca aattcaattt cactacagg 300
 ctgggatcat gaggtgctgc ttccaggtgg ccatggcctc atggttcgtg gatatcgctc 360
 agttataaat actct 375

<210> 21928
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-050-Q1-K1-A12

<400> 21928
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 cgctcgctggg ctccggcgcg ggcgcggcgg acgcggcgcc gccgacggac gtgaacaagg 180
 cgctgaagga cgagcagttc agcgagttcc ggcagctgct gcacgacacg cgcgtggaca 240
 cgcagatcaa cgcgacagct acggacagct acaacgggct gaccatcatg gcgcccacca 300
 acgccgnctt cgacaagatg aaggcgggcg tgctgaacgg gctgtcgccg caggagcaga 360
 tccagatggt gctctactgc gtgctgcccc ggttctacag cctgtccatg ctgggcaccc 420
 tcagcggcaa ggtcaacacg ca 442

<210> 21929
 <211> 453
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-050-Q1-K1-A9

<400> 21929
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 gctgctgctg gcggcggggg ccgggacggc gtcggcgggc gtgagctgcg gcgaggtgac 180

gtcgtcgggtg gcgccgtgcc tcgggtacgc gatgggcagc gcggcgtcgc cctccgcggc 240
 gtgctgcagc ggggtgcgct cgctcaacag ccgcgcgtcg tcggcggcgg accggcaggc 300
 cacctgcaac tgcttcaaga gcatgacggg ccggctcggc ggccggtca gcatggccaa 360
 cgccgncaac atccccggca agtgccggcgt ctccgtcggc gtgccccatca gccccaccgt 420
 cgactgcacc aagatcaact gatcgatgga acc 453

<210> 21930

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-050-Q1-K1-B7

<400> 21930

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 gccacttgtc atgtcaaggt ggccctgcac gcggctctat tgcgatacac cgtatcatcc 120
 gcgccaata agtgcagtct tgccctcgca gagaaagaca ctggattcct taccgtattc 180
 caaaagaatg tgcttgccgg accactgtca ctaagaacgc gggtagcgac gaccgcacct 240
 gttgccacgc caatttccaa tacggccgcc accgatggga agaagaccgt gcgacagggc 300
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<210> 21931

<211> 76

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-050-Q1-K1-B8

<400> 21931

tgagatcgag tatcttccga catctcatcc ctgatgaaag tgccgctagt gaggtccctg 60
 ggagttgtca tgaaag 76

<210> 21932

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-050-Q1-K1-D5

<400> 21932

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gagtgggaga cccgcgagag gctgccgtgt agggaccgta gactcagcga ctgcgaagga 120

gggataaggg gatggccggg atcggaccga tcaggcagga ctgggagccg gtcgttgtgc 180

ggaagaaggg acccaccgac gccgccaaga aggatgagaa ggccgtcaac gccgcgcgcc 240

gcgccggtgc ggagatcgat accatgaaga agtacaacgc tggtagaac aaggcggcat 300

ccagcggtag atccctcaac accaagcgcc tcgacgacga caccgaaaac ctgcgccatg 360

agcgagttcc aagtgatctg aagaagattc tcatgcaagc aaggctcgat aagaagctga 420

cacaggcaca acttgctcag atgataaatg agaagccaca ggtgattc 468

<210> 21933

<211> 306

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-050-Q1-K1-E10

<400> 21933

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cgcgacgact gacacctgcc acccgacaac gccgcacgca tacaagccta acttcagaac 120

tacttcgaca gcgtcccaca gagacgcca tgcatgccaa cacgcagcga cccctatcaa 180

gacaccttcc cgcaaccatc agtcctacaa gacgaagacc actacttgcc tgaactacac 240

aagcttctct aactatagac taagcccaaa aatctgagcg ctacaacgag agcgagaca 300

cctact 306

<210> 21934

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-050-Q1-K1-E5

<400> 21934

tcaagttatg gtacgctgac gctggcgcaa gctgctacat acgtcgatta gatgcgagca 60

tgggaccatt gtctggaccg tcgtgagtgg aatctatcca gtaggctttt atgcacgaac 120

tagtctaagg cgaaagacct agacgcattg tgctattatc gaatgttgag ctgtcaatac 180
ctttggcgct tatgacgaga aataatatct gac 213

<210> 21935

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-050-Q1-K1-E8

<400> 21935

tgatggacaa gtaatcacca ttggtgcaga gagattcagg tgccctgagg tcctcttcca 60
gccgtcgatg attggtatgg aggctgctgg aatccatgag acaacataca attcaatcat 120
gaagtgtgac gtggatatca ggaaggacct ctatggtaac attgtgctca gtggtgggttc 180
gactatgttc ccgggtatcg ctgatcgtat gagcaaggag atcacttccc ttgcaccaag 240
cagcatgaag atcaaggctcg ttgcaccgcc tgagaggaag tacagtgtct ggataggagg 300
gtcgatccta gcctcgctca gcactttcca acagatgtgg atatcgaagg aggagtacga 360
cgagtctggc ccggcaattg ttcaccggaa gtgcttctag ggtttcacaa gttcctcgtc 420
gttacctagt ctcaaattat gtcccccca tttctcgaga tat 463

<210> 21936

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-051-Q1-K1-B11

<400> 21936

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agatctctgg tctgtccggc tgccctccct ccgtcatcgt cgactccgcc tgcgtccgtc 120
ccttttcatt tccttcgata tgaataagat gatggcgatc tgagtgggtg tcttagttga 180
gtcttcaagt cgtttgtgtc tgtgtccctc gcggttttta tttagcggtt taggtgtgga 240
tctgtgaatc ccgtggcgcc tctgtttaat ccttgtttca gctgttatgt tatgggatcc 300
atgataatgc tataaaactg aaattccggt tcgggcttc 339

<210> 21937
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-051-Q1-K1-C5

<400> 21937

taacatcact actggtgtta tatgcaatgg agtgaagagt gtaatcaagg aaggccacaa 60
gagctttccc agtggacaca cttcatgggc ttttgctggc ctaggcttcc ttgcatggta 120
cttagctggg aaactcacgg cttttgatcg caaaggacat attgcgaagc tatgcattgt 180
gtttctgcct cttcttactg ctgcgcttgt ggctgtttct cgagtggatg actactggca 240
tcattggcaa gatgtatttg caggggggtct tataggctctt acagttgctt cattttgcta 300
tctacagttt tttccatata cttttgatgg cgatgcgttg tggcctcacg catacactgt 360
ccagtttagcc gaagaaggga acagcagaaa taaaacttc tacagcgtga gaccaagcca 420
gatcgaaaca gtc 433

<210> 21938
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-051-Q1-K1-C9

<400> 21938

cccattatat ttatatttatt tttttttata attttaaaatt cttaatcctg gtaatgttgg 60
tcataatatt gctcttcttc atttaataaaa ttgttgttct attctatttt ataagtcttc 120
attatatatt cttttt 136

<210> 21939
<211> 160
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-051-Q1-K1-D12

<400> 21939

gaattcaaat cacaatcttt taaacaaaac ttttgcaaaa aaatacctag ggtttaaaca 60
taagggccca aaacttcaaa agcttttcat gattcatttt tggacaaggg gatatgggtt 120

ttaaaaactt cgcttttccc tttttttctt ggaaaaggcc

160

<210> 21940

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-052-Q1-K1-A8

<400> 21940

tgatgatact ggaggtgaat cagagcagaa agggcaaaca ccatcagcaa caccctttt 60

ctcgtttaag aatctgtcaa gtggtcaaaa tgctttcaca ggtctgaccg gaactggatt 120

ttcaagcaca tcattctcgt ttggctcagc ctctaaagat ggctcaagtg ctgggtcccct 180

atttgggctg aaagctgatg gttcttcggt cctttctttt aatcttggtg ctgccaccaa 240

tgggggttct gccacagctc ttgctacttc agcagaggca cccaagatgt ttgctatgac 300

agagggccct gtcgaaaccg gtgaagaaaa tgagaaagct gtattcagcg ctgattctgc 360

tttgtacg 368

<210> 21941

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-052-Q1-K1-F1

<400> 21941

tgctggaatt tctgaatata ttgatatgga gaaggagctt caagagggtca taacgttaac 60

cgaagagatt ttggcaactg caaagcaaac tgagagtgcc cagaatgttg caggtctatc 120

accgccaagc tattcagctg gagtgcagtc tgagggactg gatgaccttt cacattccca 180

taagtttgcc gttggtacta gagttcaagc tgtgtggagt gaagatggag aatggtataa 240

tgcaaccgtt gaagctttga caccaaatgg atactatgta gcctacgatg gctggggaaa 300

cagtgaagag gtggaccagc ataatgtgag gctgcttgag gaagaagcag ctgatgcctt 360

gggacaagct gaaaaggga gctgaagcta caaaaatggc aataaagagg aaaattgaa 419

<210> 21942

<211> 356

<212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3062-052-Q1-K1-G11

<400> 21942

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 atttcgatcg tttccaactt gggatttccg cttccaatc gtcctgtttc cttegtattc 120
 tagaacctag catttggttt gattccgccg cttgggtccg ccccgaggag gaggcaaggg 180
 agggagcggg ggccgcgcgg ccatggcggg ctcgtctacg gcggcgatgg acgcagccgc 240
 ggctggtgg gacgacgtga acaactccac gctgtggcag gaccgcacct tccacgcctt 300
 cgccgcgctc tacggcatcn gtgcagtcgt agccctagtc caacttgata gaatcg 356

<210> 21943
 <211> 67
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-052-Q1-K1-H5

<400> 21943

aacagtttat gtcctatggt tgtccggtca aaaaaaaaaa aagaagaaca aaaaaatggg 60
 aaggga 67

<210> 21944
 <211> 237
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-053-Q1-K1-A12

<400> 21944

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 tatagcatag gtctagacac catacacaca ggccacaaca acaatgacgc taataccacc 120
 agcgttatatt atgttacatg caccactgat ggtccgtacc cggtagcgtg atcttcaccg 180
 acaacccccac ccgaaaaaaaa aaacaacgac cacaatagga taacgaagaa ccaagat 237

<210> 21945

<211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-053-Q1-K1-B2

 <400> 21945

 tgaagacaga ggccagtcac aaggcgatag cagcaggtgg tggcaagatg acggtgctcc 60
 actctccggt tggagttagg agcatcgtga cctccttggg ggctttcttc atcctagcca 120
 gctccatcgt gttcctcctc gacagaggcc aggaagagca agtgcaagtg gcagtcgagc 180
 atggacgcca agaagtgcag gtgaagctgg aatccgggct gcaagaaccg gcgataagag 240
 ggacaaccca agaggggggac gccagcaacg aggagtgcaa ctgggtcccag ggaaggtggg 300
 tctacgacaa cgtgtcccg ccatgtgaca ggcgggctca agtgctcctt catctttccc 360
 cgaggtggcc tgtgacaagg attggcagga aggatgccat g 401

<210> 21946
 <211> 90
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-053-Q1-K1-B3

 <400> 21946

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 actctactat tggagctagc aacataactca 90

<210> 21947
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-053-Q1-K1-F11

 <400> 21947

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 gatagaaccc ccaagcaaac caaaatacag gcatgactac tacaacagtg ccacagaagt 120
 ggtactgaca atatttgcta aggggtgttc tgctgatagt gtagtcattg attttggtga 180
 acagatgttg agtgtatcca ttgaagttcc tgggtgaagaa ccataccatt ttcagccccg 240

tctgttttct aagattatcc ctgagaaatg caaatatcaa gtcttatcca ccaagggtga 300
aatacgcctt gcaaaagctg agcaggtgac atggacaacc ctggattata gtggaagacc 360
aaagactggt ccccaagaaga taagcacgcc agctgaaaca gcccgaag 408

<210> 21948
<211> 346
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-053-Q1-K1-F8

<400> 21948

acgcgtccga agctccgcag gccactctgc gcgagttgct tggcctgctt attggccctg 60
gagagggctg tgggtcttgct agccatcggc gcctattcga agaaaactta ctggcgaagg 120
gcctaaggcc tgttaggatg ccctgtcaac gacatcccaa tctatctgcc tccggcctaa 180
atgtactctc ctaacattcc cgacaccaca cagatatact cggaggcccc catcttatta 240
tgacctgcca aacactacca tgccatgcta gatattcaac actcacctat tgagctggct 300
gtgcacgact cttgccagcc ctgatgactc tcatatctct cttgaa 346

<210> 21949
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3062-053-Q1-K1-G12

<400> 21949

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gaagtacctt ggccgtatcc tttctgaggt ggtggatgct tccattcaaa aacttgttga 120
ttcaggcagt ggtctaagtg tgtcccaggc aatgcaagtc gctgctaaca tgtctgtgat 180
ggagcgggca tgtgagttct tcacacgcca tgctgcacaa ctgtgtggtg tgccactgcg 240
tgctgtggac cgtggtcggc gggacttccc acttcgcagg tcacgtgatg ctgctgatgc 300
gctcctgctg cggctcctat gtgctaaggt tgatgagttc atgcggcaat ctgatggtgt 360
taactggatg 370

<210> 21950

<211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-053-Q1-K1-H11

 <400> 21950

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 gaggcacgcg aggacctggc cgtcctggag aaggactacg aggaggtcgc cgcagagggc 120
 ggcaagtgatg actgcgacga ggaggaggaa tactgatctg cttgcatgaa tctgtttggc 180
 tgtcgagcca ggttgtggtg ttgaaaaacc tttgtttgtg tcctgggtaa tgtttggtg 240
 tttccttcca tcatcacttg ctgaactgct ctagtatttg catttgtaat tgaagtctgt 300
 cgctttaaaa aaaaaaaaaa aaaaaaacat aaaaa 335

<210> 21951
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-053-Q1-K1-H4

 <400> 21951

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 aggagctgaa atggctgtac gttcacttga gcgtcttctg cagtatggcg agcagaatat 120
 aagacgagca gttcctcttg ctcttggtat actctgcata tctaatacca aggtgaatgt 180
 tatggacaca ctgagtagat tgagtcatga tgccgatgcc gatgtgtcaa tggctgcaat 240
 tatctcattg ggtttgattg gtgctggcac aaacaatgcc agaatactg ccatgcttcg 300
 caatctttca agttattact acaaagaagc ggctcatctg ttttgtgtta gaattgctca 360
 gggccttggt cacctcggaaggaggcttggt gaccctttct ccgtaccatt ctgatagatt 420
 tcttctttcc ccgatggcac tt 442

<210> 21952
 <211> 204
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-053-Q1-K1-H6

<400> 21952

tgataacaca gcgccatgcg atgtatcttg tgacttggtg aattagtgat gcaggatgcc 60

tttgттаааа ааgctaacgc ttcaacttcg acttgagcat tactttgatt ttttgттgaa 120

tcgtgcatat ctgtatcaat ttatttattt tgggtttatg gtatttggtt tcgatcaaat 180

tataaacaca ctaaaaaaaaa agag 204

<210> 21953

<211> 235

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-056-Q1-K1-B11

<400> 21953

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catctggtgg agcggaccca ctccctcac attccacagg cccatggact cacttttgta 120

acaaactcct accaactctg accaataaaa aaaaatgtgg gttttttttt tttttaataa 180

aaaaacaaaa aaaaaaaaaa ataaaaaaca caaaaaaaaa ataaaaaaaaac aaaat 235

<210> 21954

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-056-Q1-K1-H11

<400> 21954

tgctctgctg tggagacaga gcagtgaccc caaggagctc acggtccctg aaggagggtgc 60

tagagaagag acttagcttc tgatactgcc aatttaatgt gagaacatgg ggtatactgc 120

atcattttcca ttttcatcaa taacatatgt tttatgcacc ttctttacct gaaacttact 180

aagaatctac cagtaaacia acatcctgtc tttttgcaag tatgaatcac ttaacctgct 240

gatagttgaa gaacacttta ggagttttgt attcttgtat atagtttatt ttttccatgt 300

gctagccagg taaagattac acagttcttc tggactgtta aattgtgcat ggttttggac 360

cccttctgct ctactacaga gagtgaagaa gaaagtatta aagctcactt tacca 415

<210> 21955

<211> 183
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-057-Q1-K1-C12

 <400> 21955

 tccaaaatca tgattacagg gaagtggaac aagtcctga gttgccaacc atgtgaccaa 60
 gaaggcgatc ctttttcagg cacggagctg aaagagatct ggagaggtgc ttctggccca 120
 caaggcgaca agtatcagta cacacacttt ggacacaaaa ttaacagctt tgacacggga 180
 cct 183

<210> 21956
 <211> 372
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3062-058-Q1-K1-A1

 <400> 21956

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 gagatcccgg ggcggtcggg caagtcgtgc cgctgcggt ggtgcaacca gctgtcgccg 120
 caggtggagc gccggccctt cacggcggag gaggacgcgg ccatcgctccg cgcccacgcg 180
 cgctcggca accgctgggc cgtcatcgcg cgctnnctc ccggccgcac cgacaacgcc 240
 gtcaagaacc actggaactg gctcctcaag cgcaagctcg ccgtcgcgtc cgtcccggcg 300
 ggttcctccg acgtcgacgc gcgcccgacc aagcgcgtca ggctcttcgc cgacagcccc 360
 tcggggtcgg gg 372

<210> 21957
 <211> 281
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3062-058-Q1-K1-A4

 <400> 21957

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 gctgtcttcc tggtcgtggc tgcgtccgga acgcccgtc cggcttggtt aacctgggaa 120

ccggaaggcc cttttaacct tgaaccaggc cctggggaac ccggaaccgc tgccaacttt 180
 ggaccaagc gttgcccgcac tgctgttcgt gggaccacct ccggtgtaac gaccccggac 240
 ccgtgaccaa cgggttcacg gacggtgcg acaacttgcg c 281

<210> 21958
 <211> 182
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-058-Q1-K1-B10

<400> 21958

tcggatcatg tgatttaaca tgaccacttg tcatatttgg tccctgtatg agatgtgtaa 60
 tgtgtgggga tattttctct ctttaataca aagaaggga gctaactctg tgtttttgaa 120
 aaaaaaaca aaaattgaga aataaaaata agtatacaaa atctaaataa aaataaatat 180
 ta 182

<210> 21959
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-058-Q1-K1-B12

<400> 21959

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 gacaagaaaa ttaacaatgc cagagatctt atcactatcc tggaggatgc tattagaagt 120
 ggatatccaa ttctaatagt ggcagaggac attgagcagg aagctcttgc aacccttggtg 180
 gttaataggc ttagagggtgc attgaagatt gctgctatta aggcccctgg ttttgagag 240
 cgcaaaagtc aatatcttga tgacattgct actctcactg gaggcactgt catcagagaa 300
 gaagttggat tctccttaga caaggcagac aatgcggtcc taggaactgc tgctaagggtt 360
 gtagttacca aggattcaac aacaatagtg ggagatggca ctacac 406

<210> 21960
 <211> 146
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-058-Q1-K1-H5

<400> 21960

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ggacttcac gccatctact ttgcttcttg catggaattt atttgggtgt cattgctgca 120
tatggttgcc gtagacatcc taatgc 146

<210> 21961

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-059-Q1-K1-D3

<400> 21961

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ttctagacac agtacatgca accagtgacc ttcaagcatg ccatctagct taatatcgga 120
aagccacaag gtgcaaagta tggggcagtt tgtgaacggc aagaccaact gggcttaaca 180
agacaatcaa caaatgtcaa atccagatca gccaaactga gtgttccaat tctcaggcaa 240
aggaacaggg tgtcagtgcc ttctctcttc atcaaagtgt cacatgaaca tctagctgaa 300
aaggaactga tagtcactta aagttcccca agatagatct gcttgctcgt gccgcaagat 360
ccaatgatcg gctctgtggg atggaaagca gtctcattga cagaaccatt gt 412

<210> 21962

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3062-059-Q1-K1-E1

<400> 21962

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gcatctcctg ctgctgtggc tggtctgat cactcctatc ttgcacgact gctacaacta 120
cgacacggat aaggcagaat tcgcgcggct gtctgcgaag ttcacccatg acgtgacgct 180
ggttggagct ctctcgtct tacggggcat gaagacctcc attccgaatc gacagggcat 240
gaagatggct cacaaggcga agactaacta ctaagaggtt gctcgtcgg cctcaggcgg 300

gtgtcaggag actaatagcg gccagtgcg aagcagtcga tgcgcatcga gctgtcggct 360
 gcgcttttac atgtatcgca tattcagatt ccattcttgcg gggcg 405

<210> 21963
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-059-Q1-K1-F12

<400> 21963

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 ggaagaggaa gaggaggatg tcggggtcga aggtgtacac cttgatgag gtggccaagc 120
 acaacaccaa ggatgactgc tggctcgtca tcggcggcaa ggtgtacaat gtgaccaagt 180
 ttctggagga ccacctgga ggtgatgatg tcctgctgtc ttccactgcc aaggatgcta 240
 ccgatgattt cgaagatgtg gggcacagca ccaccgtccg tgcaatgatg gacgagtacc 300
 tcgtcgggtga gattgatgcg gccacgatac ccagtaaggt gaagtacacg ccccccaagc 360
 agccgcacta caaccaggat aagaccccg agttcgtcat c 401

<210> 21964
 <211> 62
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-059-Q1-K1-H10

<400> 21964

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 ta 62

<210> 21965
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3062-059-Q1-K1-H3

<400> 21965

ttctgcacta ttgccactgt tgcaaatgg ggtcgatcag cttacatcaa cattcaggga 60

ggggtgcagc ttcagctcac tgtcaatgtg gttgctctag tggcaaactt ctactcagct 120
 tgcctgacag ggagtgtcc tactactgct gtgcaattgc tctgggtcaa catgatcatg 180
 gatacactgg gtgcgctggc attggcgaca gaacccccaa acaatgaact gatgaagaga 240
 acacctgttg gaaggaaagg aaacttcac agtaacatta tgtggagaaa catcctgtga 300
 caggccttgt accagttcct tgtaattagg tacctacaga cagagggaaa gtggctgctt 360
 ggaatcaagg gcaataactg cgatctagtc ttgaacacac tgatcttcaa tcgcttcgtg 420
 ttcttgca 428

<210> 21966
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-F1

 <400> 21966

cccacgcgtc cgggtggtgt ctcagtcctc gcgcagccgg gcaccaacat actgctccc 60
 aggccgggct atccgaacta cgaggcgcgc gcagggtgc acaacctgga agttcgccgg 120
 ttcaatctga tccccgagag aggggtgggag attgacatcg acggtctgga gtcgatcgcc 180
 gacaagaaca ccaccgcat ggtcatcata aacccaaca acccttgccg gagtgtctac 240
 acccgtgagc atttggccaa ggtcgcggag gtggcaagga agcttggaat actggtcatc 300
 gctgatgagg tgtatggaaa tctggtgttt ggggacaccc ctttcgtccc catggggtgt 360
 cttggccaca ttgcccctgg gttgaccata ngatcact 398

<210> 21967
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-C3

 <400> 21967

cccacgcgtc cggggacgag tgggactcg cgaactccat ttgatccca tttgaaatca 60
 acccatcctc gtttctctcg tctagcagcc tctaccctc atggccaaga tcaagatcgg 120

gatcaatggg ttcggcagga tcggaaggct ggtggccagg gtggccctgc agagcgacga 180
 cgtcgagctc gtcgccgtga acgacccctt catcagcacc gattacatga cctacatggt 240
 caagtatgac actgtgcacg gacagtggaa gcaccatgag gtcaagggtga aggactccaa 300
 gacccttctc tttggtgaga aggaggttgc tgtgtttggc tgcaggaacc ctgaggagat 360
 cccatgggggt tccgttggcg ctgaatatgt tgntgagtct actggtgttt tcaactgacca 420
 agaga 425

<210> 21968
 <211> 176
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G4

<400> 21968
 gagcggaatt ggatggggtt gaatcccaaa caagtcaaac ttcttctcaa tttttttcaa 60
 gccgactcaa tccatgtgtt ttgggaataa ccgaccaagc ccttagtgtg tttgttactt 120
 cattccgcat ggtttggggc tttgaagtta aaagaatcat aagaccttgt tcgggtt 176

<210> 21969
 <211> 107
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C8

<400> 21969
 cccacgcgtc cgcccacgcg tccgaaccac tacgatacac ccgttatagg ttgttatcgg 60
 taaactttta acggtcattc tatttcaaaa gttttgcatt ttgcact 107

<210> 21970
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B3

<400> 21970
 tgattataca gtattctgtc tctatagatt gtagctgcag cagtctgaac atgaaattaa 60

cgaacaacct cggtagctgct tggccaggat cccggtgctt tcaactagtt agggctcgtt 120
 cggtagctc tcaatccatg tggattgagt gagattggat gagtttgaat cccaaacaaa 180
 ttaaacttaa ttttttccaa tcccatctaa tccatgtgta ttgggaataa ccgaacaagg 240
 ctttactggt ttatctgtcc agcagtaccg aggttggttg ttaatttcat gataagagag 300
 cgagtttcag caatgttcgt atactgatta tacagtattc tgtctctata gattgtagct 360
 gcagcagtct gaacaaacat caat 384

<210> 21971
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H5

<400> 21971

tgcccatggt cggctgcacc gacgccacgc aggtgtacaa ggagctgcag gaggccatcg 60
 gcgcgtaccc ggacgccttc caccgcgtca tcggcttcga caacgtcagg cagacgcagt 120
 gcgtcagctt catcgcttac aagccccccg gcagcgagta gagaccgtgg ctagatcgac 180
 caatggccat gtctctgcct gttgatcgga tcaccttctt gcattggttc ctctctctct 240
 ccctccttgt ttttcccttt atctcatcat ttctttgcta ctgcatgcaa tggttccttt 300
 tgcttccaac aattctcctg ctgatgtatc cagcatggca tcatccatct acaattacgt 360
 acgtagtga acgactgtcg attcggtggg tgaggaacat atatgtgaat gcaagctccg 420
 gctaccatac atgtgtaa 438

<210> 21972
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B12

<400> 21972

agcaagcaag caagcagcga gtacatacat actaggcagc caggcagcca tggcgccac 60
 cgtgatgatg gcctcgtcgg ccaccgccgt cgctccgttc caggggctca agtccaccgc 120
 cagcctcccc gtcgcccgcc gctcctccag aagcctcggc aacgtcagca acggcggaag 180

gatccggtgc atgcaggtgt ggccggccta cggcaacaag aagttcgaga cgctgtcgta 240
 cctgccgccg ctgtcgacgg acgacctgct gaagcaggtg gactacctgc tgcgcaacgg 300
 ctggataccc tgcctcgagt tcagcaaggt cggettctgtg taccgcgaga actccacctc 360
 cccgtgctac tacgacggcc gctactggac catgtggaag ctgcccattg 409

<210> 21973
 <211> 353
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H12

<400> 21973

gtcgttgtga gaattcttaa ttcattgagtt gtatggaggg acttatgtca ccacaaacag 60
 aggctaaaagc aagtgttgga tttaaagctg gtgttaagga ttataaattg acttactaca 120
 ccccgagta cgaaaccaag gatactgata tcttggcagc attccgagta actcctcagc 180
 tcgggggttcc gcctgaagaa gcaggagctg cagtagctgc ggaatcttct actggtacat 240
 ggacaactgt ttggactgat ggacttacca gtcttgatcg ttacaaatga cgatgctatc 300
 acatcgagcc cgttcctggg gacccagatc aatatatctg gaatgtagct tat 353

<210> 21974
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G1

<400> 21974

atcacacaca ctgcggaact ccatttcgat cccatttgaa atcaacccat cctcgtttcc 60
 tccgtctagc agcctctcac cctcatggcc aagatcaaga tcgggatcaa tgggttcggc 120
 aggatcggaa ggctgggtggc cagggtggcc ctgcagagcg acgacgtcga gctcgtcgcc 180
 gtgaacgacc ccttcatcag caccgattac atgacctaca tgttcaagta tgacactgtg 240
 cacggacagt ggaagcacca tgaggatcaag gtgaaggact ccaagaccct tctctttggt 300
 gagaaagaag ttgctgtgtt tggctgcagg aaccctgagg agatcccatg gggttccggt 360
 ggcgctgaat atgttggtga gtctactggg gttttcact 399

<210> 21975
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D3

<400> 21975

aagaaaccca gctgttattg ctgacaatgt tgggtgataat gttggagata ttgctggaat 60
 gggatcagat ctctttggct catatgctga atcatcatgt gctgctcttg ttgtggcctc 120
 tatctcgtct tttggaatca accatgaatt tactccgatg gtgtaccctc ttctcgtcag 180
 ttctgttggg attatagcat gtctcataac aacgctgttt gcaactgatt tcttcgagat 240
 aaaggctgtg gatgaaatag agcctgctct caagaaacag ctcataatct ccacaattgt 300
 gatgaccatt ggcattgcac taatcagttg gcttgggtctt ccatacactt tcactatttt 360
 caactttgga gtccagaaga cagtgcaaag ctggcaattg ttcttgtgtg tggcg 415

<210> 21976
 <211> 316
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E3

<400> 21976

cggacgcgtg ggctttgctg ttgtgatctt cctcttctt ggttcgggtg agggattcag 60
 cgacgaagag ccagccctgc acctatagca aggacaagta ctgcaagcct gcactgttca 120
 ctgcactctt tagcactgtg tccttcttgc ttggagccat cacctctctg gtctccggtt 180
 tccttggcat gaagattgcc acatatgcca atgccagaac taccctggaa gctatgaagg 240
 gtgttggcaa ggcttttctc accgcttttc gctctggtgc tggtatgggc ttctgcttg 300
 catcaagtgg gcttgt 316

<210> 21977
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D6

<400> 21977

cccacgcgtc cgccccacgcg tccgatgtct gtgaaagaaa ttgagcctgc acttggggagc 60
agctcatcat ctccaccgtc ctgatgattt ttggtattgc tctaatacagc tgggtggccc 120
ttccagctaa gttcaccatc tacaacttcg gtactcagaa ggaggtttcc aactgggggtt 180
tggtcttctg tggttcaatt ggtctgtggg ctgggttgat tattgggttt gtcacagaat 240
actacactag caatgcatac agtcccgtgc aagatgttgc ggattcgtgc agaactgggtg 300
ctgccactaa tgtcattttt ggtcttgctc ttggatacaa gtcggttatc atcccgattt 360
tcgctattgc tgtagcatc tatgtcagtt tctccattgc tgcgatgta 409

<210> 21978

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G8

<400> 21978

aaggccact actctgctga tgacgctctc atactacagc aaaaagccca ggatgttctg 60
ccttacttgg atggccggtg cgtttatctt gttggaatga tgggttcagg caaaactaca 120
gttgggaaga tactatccga agtggttaggt tattegttct tcgacagtga taagttggta 180
gagaaggctg ttggtatttc atctgttgct gagatctttc agtccatag cgaaacattc 240
ttcagagata atgagagtga ggtcctgagg gatctgtcat caatgcatcg gttggttggt 300
gcaaccggag gtggtgcagt gatccgacca atcaattgga gttacatgaa gaaagggtg 360
accgtatggt tagatgtccc actggatgca cttgcaagaa gaattgctgc tgtaggaacc 420
gcgtctcgac cact 434

<210> 21979

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C12

<400> 21979

aaaggggtgg tgattacagt gaaatgtcta aggcgtacag accattccat gcagatgcaa 60

cggatgactt caagtatgga gttagagctg tgcattggagg tggaagggtca tcagccagag 120
 aaaccattgg caggggtggct gcaggagctc ttgcaaagaa aattctaaag ctcaaatacag 180
 gagtggagat cttggcattt gtttctaaag tgcaccaagt cgtactttca gaagatgcag 240
 ttgattatga gactgtaacc ttggaacata tagagagcaa catcgttaga tgtcctgatc 300
 cataatatgc acagaagatg attgctgcc a ttgatacggg acgagttata ggagattcaa 360
 ttggtggggg cgtcacatgc attgcaagaa atgttcctcg tgggtct 406

<210> 21980
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-C6
 <400> 21980

cccacgcgtc cgccccacgcg tccgcccacg cgtccgccca cgcgtccgag cacacacggg 60
 cgcattcaggg cctagctcga gtccactact tgaaaaacag gaaaaagggt gcgtttgagg 120
 agatgacgaa gctcgtggag atagccagcc actgcgcgtc ggcatatgaa aagcggtcgg 180
 aatacgggtga gcgcgaagct gcgaggagcg acctgaacat ggcgacgctt cttgataccta 240
 ccaggactta tccttacaga tacagagcag ctgtactgat ggacgaaggc aaggaggagg 300
 aggcgatcgc ggagctgtca ggagccatag ctttcaagcc ggaccttcag ctgctgcacc 360
 ttgcgcgggc gttcttcgac tccatgggag agcgcgagag cgccctgtgg g 411

<210> 21981
 <211> 313
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-F3
 <400> 21981

cgtggaaaac tttccgggtc caaaggacct ttggcccctt ctttttaaga acctacctgg 60
 gtaaaccctt tttgaaaagg ctctgtcct aatacttgta taaaatgaaa attatgtggg 120
 agccctatca tggaaccgaa gtatcagaga agtagttgac tggatgtcaa agaaaagtgg 180
 tattcctgct tctgagctta aggagcacct attcatgctg cgtgacagtg atgctacacg 240

ccatctgttc taagtatcag caaggttgga ctctttgggt ctcggtgaac gacaaatcct 300
tgctcaagtc aaa 313

<210> 21982
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A10

<400> 21982

cttttgtttt ctgatgatga atgcaacatc tgtttccacc attttcctct ttacagaata 60
cgactgctcc atgtatacgg agaaactaca tttcacggag tagtaaataa acagggatta 120
attagcgcca tgtgcatgca tgcatacggc gttaggctga cgcacatgat cataacagtt 180
aattaattaa ttaaggctaa gacacgaagc gtggaggatc gatgcgtccc cgccggcgca 240
gtatgtttta agctgacttg cggtagatgt gctagggcct gccggcggag gcgtccttat 300
gggtgtctat gacagtctcg aaagcgccga cgagcgcctt gaccctgctg cactggcgct 360
tctgcatcag ctaggtgcgt gccgactaga tcacgta 397

<210> 21983
<211> 254
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A12

<400> 21983

ggttgcggca aacgcgcgga aataatgtgc ttgcgtgatt gtttttctct ctcttttttt 60
ggttaataat gtaaaacagg catacggcga tgttttaaca tgtaaaactga gatgttgta 120
ctctttctca aagcgagtat gtagccccag tttccatcat ggcactcttc tcgttctgaa 180
gctttgggat agtctcgccg ctctcagctg actgggtgctg tattcttgaa accttttatc 240
cgtgtcttgg tctc 254

<210> 21984
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A2

<400> 21984

cccacgcgtc cgggccactc tatgtcagat ccaggaagca cttaccgcac cagggatgag 60
attgcaggtg tcaggcagga acgggatcca attgaaaggg ttagaaagtt gcttttgact 120
catgacctgg caaatgctgc tgagctcaag aatatggaga aagatatcag gaaacaagta 180
gatgacgcta ttgctaaagc aaaggaaagt tctatgcctg atacttctga actcttcaca 240
aatgtttata agaagggcctt cggcgtggag tcatttgggc cagacaggaa agagatgaga 300
gcttctcttc cgtacgttgg cagcatgatg aggcatcct cattacatgg tatgatagcc 360
aggaaaaata attattgatg aacgcctcag gcattattgg aatattctat cgggaaaatg 420
aacctgtata gagatg 436

<210> 21985

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A3

<400> 21985

cccacgcgtc cggcctttgt gagctcgcga gtggagagaa aaaaaggagc agcgaagagc 60
gaacgaccga gatgctggag aagctgtggg acgacgtggt ggccgggcct cgcccggaga 120
caggcctcga gaagctccgc aaggccacca ccgcccggcc gctcgtcgtc gtcgacaaag 180
gtgcgttttg ttgcagtcga tgccgtcgac cccgacgacg ccggtgacgc cttctacgac 240
gacgacgccg cgcgggcgcca gcaacgtgtg gcgcagcgtg ttccaccggg ggagcaacct 300
ggccaccaag ggcattgggcg ccaacctctt cgaccgtcca cagtccaact cctccaccgt 360
ctacgactgg ctctacagcg acgagaccag gagcaaccac cgtagatcg gaacggacga 420
atcgggtggt ag 432

<210> 21986

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A4

<400> 21986

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tccctcgcta ataacatcat ggtcgtgggc gccgtccttg cggcgcttgt cgtctgcggg 120

tcgtgcgggc ccccggaagg tgcgcccggc cccaacatca ccaccaacta caacggcaag 180

tggctcaccg ccagggccac ctggtagcgt cagcccaacg gtgcccggcg tcctgacaac 240

ggcgggtgcgt gcgggatcaa gaacgtgaac ctgccaccct acagcggcat gacggcgtgc 300

ggcaacgtcc ccatcttcaa ggacggcaag ggctgtggct catgctacga ggtgagatgc 360

aaggaaaaac ctgagtcctc gggcaatcct gtcacgggtg tcatcacaga catgaactac 420

gagcctatcg ctccct 436

<210> 21987

<211> 250

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A5

<400> 21987

ggactacttc aagaggttgt tcattctttt gaaggataag gatggctatt ggaggggggtt 60

tgctgtcaac ctggcctctg gtgggtgctg tgggtgcttc tctttattat ttgtgtacta 120

cctatactac gcgagaacat gggttatctaa tgactcgata tgctgtcaag ggaggaggtg 180

aaactcatta ctatgtgcac gggttatctat gccttatgac actgaagttt tatagtatcg 240

ttgggtctata 250

<210> 21988

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A6

<400> 21988

attatatagg atgattacga aggtaacatg tttgggacag taacatttgc ttgaaaaaaa 60

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa 180

aaaaaaaaa ataaaaaaaa aaatagaaaa aaaaaaaaaa aaaaaaaata aaataaaaaa 240
 aaaaaaaaa tatagtataa aaaaaataa taaaataata aaaaaaaaac attaaaaaaa 300
 attataatta aaaaaaagtg atttaaaaaa aaaggagaat gtataaataa tatat 355

<210> 21989
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-A7
 <400> 21989

cccacgcgtc cggagaaggt actagatcgt ggtgaaaaaa tcgaacttct tgtggataaa 60
 acggaggatc tccgagcaca ggcacaagat ttcaggcaac agggaacgaa gatacgaaga 120
 aagatgtggt gggagaatat gaagatgaag ctcatcgttt tcggcatcgt ggttgactg 180
 atcctcctca ttgtcttgac agtttgcaag gacttcgatt gctgataaga tgcaggaaca 240
 tgaaaggaaa gaacatgaga aaaaatgtag ggggagtgtg gtgccatgac accgcgggac 300
 caaaatccat catttgtgtg atgttggttg cattggccac aatgttctta gctacgccta 360
 gaacgatggg ctcaaattaa gttataacag ggctctctaa tattttaaat aattgtaata 420
 gtagcaaata tcg 433

<210> 21990
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-A8
 <400> 21990

cccacgcgtc cggaaaagga gctagatagt tgtgaagaac gaattctgct cgtggataga 60
 acgacgcttc ttctatatca ggcacatgaa gctaagaggc acatttcaat gattcatgga 120
 cagatgggta ggcagaatag aaagatcaag ctgagagggg catgaatctt ggctacagtg 180
 acgcaagagg tagcgatgac agtgtgcaac gactactagt gatgatgaga ctcaagacca 240
 tcatgaggaa gagctctatg aacctgtat ggcacgagga gctaactgtg accgtgacag 300
 ataccatcat aactctgaag atggaggtgt tatacaagga cacgttcata actgacgata 360

cgacgatgga ctcagatatc gacatgacac cgct

394

<210> 21991

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B1

<400> 21991

cgacgcgctg ggtttctagc aatgtggagt atctggcgtc aagggatgca acaatcatgg 60

gaagcaggaa tggccatgcc cctatcttcc tctggtacac cctcaacagg aagggctaca 120

gaggctttca gaaagaagtc caaaagtgtc tgagaaacgc acactaccta aaagatcgcc 180

tcaaggaagc aggaatcgga gcgatgctta acgagctcag tagcacagtc gtgtttgaaa 240

ggccaaagga tgaagaatct gtccgaaggt ggcagctggc ttgtgaagg aatatagctc 300

acgtttgtgt gatgcccagt gtcaacattg acaagctaga ctatttctct aatgagttag 360

tggacaaaac ggcgacttgg taccaggacg ggataagcca gccaccctgc a 411

<210> 21992

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B10

<400> 21992

cccacgcgtc cgcggacgcg tgggtcctca tctactcccg ctccagctgc agctcggctc 60

tgtcctcgcc tcgcgtaggg ttctgcttcc cgtctggccg tcgtcagcat gggggacaac 120

tacgatgacg aaggcgagcc gatcgtgaac ctcgacgaac ggggaaccctc ccctgagcat 180

cagccgtacg aagacctcga tgacgacctc gacggcgggc gcgattggac ccgcgaccgc 240

tctccgaccc ccgtccacgg cgacgacggc ggagcagggc cctcctgcaa gccacgaaag 300

cgcctttctca agacggggcg cggcggaggc atgcccggcg atgacgggct ggatgacttt 360

gggttgaggg acgaggacgc agacccttcg gctgaggcga gga 403

<210> 21993

<211> 345

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-B11

 <400> 21993

 cgggctccca cttccttccc agcagctacc tgttcagccc caaggacaag agcgacgtca 60
 tgggtgtcaac cacctgctgg tgcattcatgc tcgcctccct cctcgccatg gcgtgcgcgt 120
 tcggcccact ccaggtgctc aagatgtacg gcattccata cctggcgctt gtgatgtggc 180
 tagacctgga gacgtacctg caccaccatg ggcaccatca gctatctctg ccctgggtacc 240
 acggtcagga atggagctac ctgcgcagcg gccttaccac ggcgacagg gactacagct 300
 ggatcaacaa cgtccaccac gacatcagga cccacgtgat tcac 345

<210> 21994
 <211> 437
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-B12

 <400> 21994

 cggacgcgtg ggtgggagac tcattccgga tcacgatcac caacaccgtc attggcgctc 60
 gggacgactg catctccatc ggccccgga cctccaaggc gaacatcacc ggcgtgacct 120
 gcggccctgg ccacggcatc agcatcggca gcctagggcg gtacaaggac gagaaggacg 180
 tcacggacat caacgtcaag gattgcactc ttaagaagac gatgttcggc gtccgcatca 240
 aggcgtacga ggacgcccgc tccgtgctca ccgtctcaa gatccactac gagaatatca 300
 agatggagga ctacgccaac cccatcttca tcgacatgaa gtactgcccc aacaagttgt 360
 gtactgcaa cggcgcctcc aaggtcaccg tcaaagatgt caccttcaag aacatcaccg 420
 gcacctgctc caccgccg 437

<210> 21995
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-B2

 <400> 21995

cttataacttg atagcttgga agatctgtca gagtcagaat tgtctactat tagaaaacag 60
 ctgattgagg aattttcagc agatgacatt tgtctgggat ctcattttac tgaaacacct 120
 tcgaaatctg cagcacaaaa tggaaaactg caccacaaat ctatggaggt tattccattc 180
 ggatttgttt ttgaagatga tactctcctt gaagcatctg acagctcagt agaacctcac 240
 ttgcgacatc tgccatgtaa cagcggttctt gatgttgacc ggcttcttaa ttcggttttg 300
 gaaacatctc agcatgttgg aaggatgtca gtttcaacag accaggattt gcctttcaag 360
 gaggtagcca accaatgtga agcacttctg attgggaagc agcaaaagct atctgtctgc 420
 atgagtgttc gtg 433

<210> 21996
 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-B3
 <400> 21996

cccacgcgtc cgcggacgcg tgggaccgga aggggggaag agagatggat tcctccacgt 60
 cggcggcggc ggcaggggag gcggccgtgc cgtcggagga cgacgtctgc tccgtctgcc 120
 acgaccgctt ccggatcccc tgccaggcga actgctccca ttggttctgt ggagagtgc 180
 tcatccgcgt ttggaattat ggacctcctg tacaggcttg caagtgtccc atttgtcgcc 240
 gccttataaa tctactggtg cctgctgcat tatcagggca cgaggatggt ccacaagctc 300
 aacgtattct aggagagatt cagcactata actgtatatt tgggtggagca ccacgcagcc 360
 taactcagag gttgcaagac ctacccttct tcatccgaag actgttcaga gaac 414

<210> 21997
 <211> 355
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-035-Q1-K1-B4
 <400> 21997

cggacgcgtg gggttttttt ttttgaattc aaaagcccc gtctggataa ccggtatttg 60
 aagaacaagg cagacaacga gtttcaatct gacgatttgc tcaattacac agctcgacga 120

caacatgtac gctcacagaa tgttttcttg gacaagattt tatttgaagt ctatcagcag 180
 cttaagatgt aaaagacgaa ctaccacagt tccaggctac ttcattcaac tcaatggaag 240
 ggtcagatca cctctccaat ccaggaacag cagcacgaga agcaaggcag cagcgccgct 300
 actccgcctt gacgggtcttc ttgggctcgt ggagttcagg cgggcgggca tcctt 355

<210> 21998

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-A1

<400> 21998

cggacgcgtg cggttcctagc aatgtggatt atatggcgta aagggatgca acaatcatgg 60
 gaagcaggaa tggccatgcc cctatcttcc tctggtacac cctcaacagg aagggtaca 120
 gaggtctca gaaagaattc caaaagtgct tgagaaacgc acactaccta aaagatcgcc 180
 tcaaggaagc aggaatcgga gcgatgctta acgagctcag tagcacaggc gcgtttgaaa 240
 ggccaaagga tgaagaattt gtccgaaggt ggcagctggc ttgagaaggg aatatagctc 300
 acgttggtgt gatgcccagt gtcaacattg acaagctaga ctatttctctg aatgagttag 360
 tggacaaaact ggcgacttgg taccacgacg ggataagcca gccaccctgc a 411

<210> 21999

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-G3

<400> 21999

gacacatgta cagtcacaca ccatgagcgg gacctctcaa atctagagga gagcatgagc 60
 agctggccga ctgctgcgtg atggcctcac cttttccagc acgtgcgacg gccgcgccgt 120
 gcagtccggc atgaaggcgc agaggaacac cacggcggag accttgtccg ggaacgtctc 180
 ggcgccagc gcgacgttca cgccgtcgag gctgtggccg acgagcacga cgcggtcccc 240
 gttcggcagc gacgcgagga ggtccagcag cggcctgggt tagtcctgga acgtgggcac 300
 ctcccgcagc gcccgcggtt cggcgcccga tgccgccaat gtcggcgcgt cgacgcggga 360

ccccgtcgcg cggag

375

<210> 22000

<211> 411

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-034-Q1-K1-G4

<400> 22000

gcacaaacag atcgatcgat tacagcattg gcggccaagg tgttctctct cctccgactc 60
agcatggtcg ccgtcgctct ggctgccatc gccacagtag cgctcgcgga ggaagccgat 120
ccgcgggcac tgccggcaca gtggaccacc gcgaagaagt acaaggccac gatggacgcc 180
aagacgcggc aggctttcga cggcgtggtg gccgccgcta cggcagagaa gcggtcccag 240
gcggtggagg ccgtgctgca gcagcagctg aacatggacg tgtcctgtc caaggcgacg 300
tcttccgggg acgagaacaa ctacgtgagc gtggccgncg nctacgagaa agccgcgggc 360
gccgtcatcg cggcgacgcc ggacaacaaa gtcgcgcta tggcgttcgc g 411

<210> 22001

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-G7

<400> 22001

cggacgcgtg ggcggacgcg tgggaggaaa cggcagtga gtcgccggcg ccgccgcgac 60
aggaggaagg agggagtagc agcggcaggg gaggtccggc gatctcggct gctgtggcgc 120
ggtaagggag gaagcggagc cgcgacagga tgcactcgtt tgggcaccgc gccaacgcgg 180
tggcaacggt tgcggtcacc atactggccg cgatgtgctt cgccgtctcc ttctccgaca 240
atgttaacac cctgacaccc accgcatccg tcaagatctt gaatataaac tggttccaga 300
aggaggccaa cggcaatgac gaggtcagca tgaccgctga acatttcggg tgacctttca 360
tctcttttca cgtggaacac aaaac 385

<210> 22002

<211> 285
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-G8

 <400> 22002

 cggacgcgtg ggctaacagc cttttggata aaagcatcat cggaatgcag aggctgtcct 60
 gttgaagggtt ttctgtgtgc tgcaatttta atctgtcctt ttgaataaaa tgtttcctct 120
 aacaagtgaa gggcactggt tttattgtct cgtgggccac agatgcctgc tgaacaattt 180
 atgttcattt cttcttttct taaaaagaag catgcactaa gaacatgaag gatgcatgcc 240
 atggaaagtt ttgaaagtc attgaaacgt atgagtcctt catgc 285

<210> 22003
 <211> 263
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-G9

 <400> 22003

 cccacgcgtc cggatggttc aaggcaagtt caggcacctg ccggtggtgg ataacggcga 60
 ggtggtggcc atgctggaca tcgccaagtg cctctacgac gccatctccc ggatggagag 120
 ggcgtccgag aaggggaagg cggcgatcgc caacgtcgcg gctggcgacg acaagtactc 180
 catcgtcgaa gctctcaagg agcaaatgtt caggccctgc ttgtctgcca ttattggcga 240
 agactcaaca gtcgtcatgg tgt 263

<210> 22004
 <211> 265
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H1

 <400> 22004

 tcggactagt tctagagcgc gcggtccgc ctggccgagg ccgtgccgtc gtcgctcacg 60
 ctgcgggggc gcggcggggc cggggccggc gcgcgtttcc gcgtgcagtgc cgcatcctg 120
 tcgttgccgc cgctgtggc gccaccgag tcgaggccgc gcgcgggat ctgcgccgtcc 180

gggccggacg gcgcgctgcg gcccaagccg gctgtgctgg tcgccgagaa gctgaacgag 240
gtctggcttg ccgtgctgca gcagt 265

<210> 22005
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-H10

<400> 22005

cccacgcgtc cgcccacgcg tccgcggacg cgtgggattg ctggagctgg tgagcttcat 60
cttgagattt gcctgaagga tctgcaggag gacttcatgg gtggtgctga aattattgtt 120
tccccacccg tcgtctcctt ccgtgaaaacg gttcttgaga agtcttgccg tactgtcatg 180
agcaagtctc ccaacaagca caaccgtctg tacatggaag cgcgccctt ggaggagggg 240
ctcgtgagg ccacgatga cggccgtatt ggcccacgtg atgatccgaa ggtgcgctcc 300
cagatcctct ctcaggagtt tgggtgggac aaggacctgg ccaagaagat ttggtgtttt 360
ggacctgaga ccaactggccc gaacatgggt gtagatatgt gcaaggaat gcagtatctc 420
aatg 424

<210> 22006
<211> 418
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-H11

<400> 22006

cccacgcgtc cggctctgta caagtgcctc gacacctgct ccgaggacat cgaggaggcc 60
gtggcgaccc tcagcgccct ctcccgcgac ttctccgacg ccaagttcct cgagggtcaag 120
tcttggtctt cctccacgct cggcggcacc tccacctgcg acgacgcatg caaagacgcy 180
cccgtcagcg acatcaagaa cgctgcac accaagagct tcgagtttga gaagctgctg 240
cggtcacgc tcgacctcat caccgatgcc tcagggtcca tgtcgccga ggtcgactg 300
cctccgtcgg cggcatcggg cgccagcggg ccggcaccgg cgccgttcgg aggttacggc 360
tcgtccgctg gcgccccggc ctacggcgcg ccgtctnctg ctggtgacct agcttatg 418

<210> 22007
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-H12

<400> 22007

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cccacgcgtc cggttcaaga tgacggcggg gacattgaat accgaggatt cgacccagaa   60
acaggaacag ttaagcttaa aatgcaaggt gcctgcagcg gctgtccaag ttcgtcagtc  120
acattgaagt ctgggataga aaacatgctt atgcactatg tgcctgaggt gaaaggagta  180
gaacaggagt tcgatgggtga tgaggaagct gaagtggctg gatagatcga gagagttttt  240
acaggttttg aggggtcaaca cagcctgatg ttatagcaac ttcgcacgta cggatttgcc  300
gatcctgatg tatgcaagaa gcaggcttag atagcagagg cgtcaatagt ctgaaataac  360
atccgttgca ctagtatccg aataaagtga cagtgaattg attttttatt ttcattaaat  420
ttctgtgtat atgtgag                                     437
  
```

<210> 22008
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-H2

<400> 22008

```

atcgaggaga ctacctacgg ccatggctag gagaaggctt ctgcgcgtcg cctcccggct   60
ctacgggagg cctcaggcga cgcagccgtg gcggcgaccc ccgccccggg ttctctcctc  120
agctgcgtcc ggcaccctcg atcacctgaa gtcgccgcct ttcgcgcgtc cggctgcccc  180
gaaccccgcc tcctatccat gggatcgatt cggaggaggg cagaagagga ccatgttcat  240
ccagacacag tcgaccccgga acccgcagtc actcatgttc tatcctggaa agccagttat  300
ggagattggg agctctgatt tccctaattg tcggactgcg atgacatccc ctttggctaa  360
gtcgcgtttt gctattgatg gagtaaccag tgtattcttt ggatctgatt tt         412
  
```

<210> 22009
 <211> 373

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-H4

 <400> 22009

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cccacgcgtn cgccgaggcc tccacgtctc tggaaccgtt ttaccgcga ttttcctgtc   60
ctgtcctctc cctccatcta aggagaggag agatatgcag ctcacgagct ccaccaaadc  120
ctgacctccc aaagctgtgg tcgcatcca aacagaaggg aaatgatcag gcgacaaccc  180
ggcatggatc ggttcctgca gctgctggcc gccggcgtgg ccgtgctact gctagtggca  240
ccgncggcca tggctgacga cgacattgta gaagtcggcg tcaactgggg ttcgcagctc  300
tcgcacccgc ttctccccgg ctccgtggtg aagatgctca aggcgaaccg catcgccagg  360
ggcaagatgt tcg                                                         373
  
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<210> 22010
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H6

 <400> 22010

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cccacgcgtc cgcccacgcg tccgcggacg cgtgggacg gagcagatcg cggagttgaa   60
ggaggccttc agcctcttcg ataaggatgg cgacggctgc atcactacca aggagcttgg  120
aacggtgatg cgctcccttg gccagaaccc taccgaggca gagctgcagg acatgatcaa  180
cgaggctgat gcggatggca atgggacat cgacttcccg gagttcctga acctgatggc  240
gaggaagatg aaggacacgg actcagagga ggagctcaag gaggccttcc gcgtcttcga  300
caaggaccag aacggtttca tctcggctgc cgagctccgc catgtcatga ccaaccttgg  360
cgagaagctg accgacgagg aggtcgacga gatgatc                             397
  
```

<210> 22011
 <211> 280
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H7

<400> 22011

tcgaagagac cccagccagt ctgatcggtc aagaaaaata ccagcttacc aacaacagcg 60

agcagcaagc ccacccgttc gacgacatgg cccgtctcgg cgccggcgcc gtgttgggcg 120

ttctagtggc ggtcgcggcg gtggcccggt tcctcgcggt gccggactcg gcgaagtccg 180

gggagctgag cgcgatgggg ttgctggcgg cgaaaggcgg cagcggcgcg ggccccgaga 240

agtgcctggg cgcggtgggc gagtgcgacg tggacgaagc 280

<210> 22012

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-H8

<400> 22012

agacaaaaca tggctgtgaa tgtgagaacc atgtggctgt cgatgcgggc acatgttgcg 60

atggctgtgg cgttgggtgtt cttgggtgagc ggcgcatggt gcggctctcc caaagtcctc 120

ccaggcaaga acatcacggc cacctatggc aaggactggt tggacgctaa agcgacatgg 180

tatggcaagc cgacgggtgc cgggtcccgac gacaacggtg gcggctgcgg gtacaaggac 240

gtgaacaagc ccccttcaa tagcatgggc gcatgcggca acatcccat cttcaaggat 300

ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata agcctgtgga gtgctccggc 360

aagcccgtgg tgggtgcacat cacggacatg aac 393

<210> 22013

<211> 277

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-034-Q1-K1-H9

<400> 22013

gcggtcgtct ctacagtctt ccggcacacc atctttagaa agcttggcct tcacagctcg 60

gctccggaac atggtgacac taattgtctg caatggcgat aaagagtttc acctattgta 120

ctgaggaaag gattggactc tctcattatc ctggcagcat tgatgatctg gaagcatacg 180

aacgaagtga tgctcaaagg agtttctcct aatctcactc ttctnctgga gtctgcta 240

gaacgaaagg gacaaatggc atgttgacg acccaac

277

<210> 22014
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-G2

<400> 22014

cggacgcgtg ggcaggaggg gcgcacttga ctttcccctc ctccctcctgc gaccacctgc 60
ctggcctcgc tctaattgggc ctcatcagag cctataaagt gccaggttgt ggcgctgacg 120
gtgtcgattc actgccaaagg atgcaagaag aagggtgaaga atgtgctcca gaacatcagc 180
gccgtgtacc gatgcgaaat cgatgcccg agcaacaagg tcgtggcgac ggtctcgacg 240
gagctcgacc cctacatgct ggctcgccaag ctgcgcaagt ccggcaagca agcggagctg 300
tggccagagc agccggtgca acagcatgag cagccggcac caccaactga gaaccaaagg 360
caagatgaag cccaaaacaa cc 382

<210> 22015
<211> 226
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-E7

<400> 22015

cccacgcgtc cgcccacgcg tgctgcactg agtacggcga cttcttctctg tcgtggtagt 60
cgcagatgct gctggagcac ggcgaccgca tcctgtcggg cgccacgttc gatttcggtg 120
cggcgcccgt ggaggtctcc gtgaaagtgg gcggcattca ctgggactac ggcagtcggt 180
cccacgcccg cgagcttacc gcgggctact acaacacgcg gtgcca 226

<210> 22016
<211> 323
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-E8

<400> 22016

aggctcgcgag ggcagacaca acatggctgc gaacgtgaga accaagaggg cgccgacgcg 60
ggcacatggt gcgtaagctg tgaccaccgg cgctcgcatg agctgtccac ggcaccgtca 120
ctgagaagcg tctcgaaaca cataacataa cccgcacttc aggcaaggac cgctgtgcacg 180
ctgcagcact gtctcaagca tggcatacag ggcctggtc agacgaccac tgacaagacc 240
attggtacag gggctgaagc tagcaacact ttattaactt ggactcatgc tggaacacac 300
gtatcctgag cgagtgtctg gga 323

<210> 22017
<211> 371
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-034-Q1-K1-E9
<400> 22017

ctgacgcgtg gccccgactc cgggtccatc gctgcgtcac ctactagcga gagcgccggg 60
tcagagaagg cccccgacgg tgcccccaac gactcgctcg ccagccctta cgctacccg 120
tacgaagatg aagccactgt atcgcacgat agcagcagcg gccgtggcag tgcccgctag 180
gaagagccct cgacggccga ggccggccgc gaatacgacg atagtccacc cgagccagcc 240
catgcttcgg agtcaccagc agagtctcct ggcccggacg ctgaccacga gagccgacgg 300
ccgagcatgg gcaccggtgg cggactggcc atgctggccg acgatgtcac cgtgacgctt 360
cctttctaga t 371

<210> 22018
<211> 419
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-F1
<400> 22018

cccacgcgtn cggataaggc gaacgatgtc cacctagaaa ccctagtctg aacgcgccgn 60
cgtcaccgtc gtcgctcgcg ctctccgcc ggatcggagc gagagtaggg gcgtgtcggc 120
ggtgaaagcg actgcgtcag ccatggcgga cgaggagcat tcggagagga gagaggaggc 180

ctccgagctt gcccccttcg acccgaccaa gaagaagaaa aagaagaagg ttgtcatcca 240
 agaaccttct gatgaagtgg acaagcttgc agagaagaca gaaacactgg cagtcgcaga 300
 acccgctgaa cttaacttca ctggaatgaa gaagaaaaag aagaagccgg tggatcttga 360
 ttcaactctt gatgagcttg gagatgggga ggacactcaa gatgatcaag ctgtagagg 419

<210> 22019
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-F10

<400> 22019

cgagatttga agtcatctaa tctgctagtc gacaagaact ggactgtgaa ggtggcggac 60
 tttggccttt cacgtctcaa gcgcgaaact ttcttgacaa caaaaacggg aaaaggaaca 120
 ccgcaatgga tggcgccaga ggtgctgctc aacgaacctt ccgatgaaaa gtctgatgtg 180
 tatagctacg ggggtgacct gtgggaactc gttactcaga agataccctg ggaaaacctg 240
 aactcaatgc aggtcattgg cgcagtaggt tttatgaacc aaagggttga tatcccaagc 300
 gaagtagatc ctcaagtggag atcaattatc ctgaactgtt gggaaagcga cccgcagcaa 360
 cggccgtcgt tccaagagct tctg 384

<210> 22020
 <211> 313
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-F11

<400> 22020

cccacgcgtc cgcaggattt ggcgctgac ggagctctgc tcttcttctt gggcatgaag 60
 aactccatcc cgaagcggca gggcggcaag aagaaggccc ccaaggcgaa gacgaactac 120
 ggctgcttag atagctgcac gcctcaggtg ggggtgatca ggagacaggt ctatttcgaa 180
 gcaggctcag cgcgatgcag cgaatgccat cgagctgcgc ttttacatgt ttatcatcag 240
 attccatttt gcggccccgaa caaagggtgtg accgggggtg gttaggcgac tagattgcac 300
 gattatgtac ttg 313

<210> 22021
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-F12

<400> 22021

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cccacgcgtc cggccggagc tgcacgagga cgaccgacga cgcacgcaga gatccggcgt 60
actgcaaatt ttgaaaactg aactgtaaga tggcatcagc agagctttcc cgtgaggaaa 120
atgtgtacat ggcgaagctc gccgagcagg cggagaggta cgaggagatg gttgagttca 180
tggagaaggt agccaagact gttgactcgg aggagctcac tgtggaggag cgaaacctcc 240
tgtctgttgc atacaagaac gtcattggag cccgccgcgc ctcatggcgc atcatctct 300
ccatcgagca gaaggaggaa ggccgaagca atgaggaccg agtaaacctc atcaaagatt 360
atcgtggcaa gattgagact gagctgacca agatctgtga tggc 404
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<210> 22022
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-F3

<400> 22022

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cggacgcgtg ggcgctgggg cagacgccga cggaggagga gctgcagggc atggtggacg 60
aggtggacgc ggacggcagc ggcgccatcg acttccagga gttcctcacc ctgatggcgc 120
gccagatgcy ggaggccagc ggcgccgacg aggaggagct gcgcgaggcc ttccgcgtct 180
tcgaccagga ccagaacggc ttcatctccc gcgacgagct ccgccacgtg ctccagaacc 240
tcggcgagcg cctctccgac gacgagctcg ccgagatgct tcgcgagggc gacgccgacg 300
gcgatggcca gatcaactac accgagttca ccaaagtcac gctcgccaaa c 351
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<210> 22023
 <211> 373
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-F4

<400> 22023

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gaccgtccgt cggcattctt tcgggcatc aggtgtgggt tgctcgctac attcttgaga 120

ggatcaccga gatcgccggc gtggtggtga cgttcgacct gaagccgatc ccgggcgact 180

ggaacggcgc gggcgccac accaactaca gcaccgagtc catgaggaag gagggcgggt 240

acgaggtgat caaggcggcc atcgagaagc tgaagctgcg gcacaaggag cacatcgcg 300

cctacggcga gggcaacgag cgccggctca ccggcaggca cgagaccgnc gacatcaaca 360

acttcagctg ggg 373

<210> 22024

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-F5

<400> 22024

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atattgacca gagcacaaca attcttgacg tgcaaggagt ggggatgaag caattcagta 120

aagctgcaag ggagctcatt ggcattgctt agaagattga tggtgacaat tatccagaga 180

ccctgtgccg catgttcac atcaatgcag gccagggatt ccggcttcta tggggcaccg 240

tcaagagctt tcttgaccca aagaccactg caaagattca tgttctgggt aacaagtatc 300

agagcaagct tctcgaggtg attgatgcta gtgagttgcc agaaatcttt ggtggaacct 360

gccgatgtga aggtggttgc atgaaagctg acaaaggccc ttggaaggac cccgaaatca 420

tg 422

<210> 22025

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-F6

<400> 22025

ctcgtttctc actttggttg tcaagcactt cgatgatagc aggatagtga accctgactt 60

gaaagatctt cttcttcaat caatatcagt tctcgtagag tataaagaat tcatgcttgt 120
 tttcgagaac aatcgaggagg ctataaataa aatgcctaga tcacttttat cagcttttga 180
 caacagatca tggattcctg ttacaaacat actttcccgg ttctgcaaag gtcaggatt 240
 tgcttcctat aagaatggtg aatccccatc atctgcaact tttcagggtc tactgaagga 300
 gacatgtatt catgaacaag agctgttctt ttcttttctt aatcgactgt tcaatacact 360
 cagctggaca atgaccgagt tctctatgtc catccgggag atgcaagat 409

<210> 22026
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-F7

<400> 22026

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 ctcatccgct ggatctcctc cgcgactcct tcgagggcta cctgggcttc taccgaggg 120
 agagccgctg gaagggccgc tacgagcggg gccccgccga gggcagctcg ccctggggcg 180
 tcgccttgct cgctcctcctc ctctcgtgc tcgccagctt cactccacc atccacgaca 240
 tgtgggggcc gtgaacggcc ggatgtgggt cctgctcctg ttcgattcca cgcgcgcacg 300
 tatgcgattg tactgctggt tgctgcttga tcgatcgatg gatcgatgat tccatgtaca 360
 tatttgtag ggggatgctg ctgctaggct attagctgca ggctatagaa tttgaggggtg 420
 atatatactt act 433

<210> 22027
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-F9

<400> 22027

gtgccgccgc catggctgct ctgggccgtg gcctgccctt cctcctcctg ctgctcctgc 60
 tcgccgtatc gggggccgcc aacgcccgcg cgccgcccg cgccatgtcc atcatcacct 120

acaacgagga gcacggcgcg cgggggctgg agcggacgga gccggaggtg cggggccatgt 180
acgacctctg gctcgcgag caaggccgcg cctacaacgc gctgggagag ggcgagggcg 240
agcgcgaccg ccgcttctc gtcttctggg acaacctccg ctctgctgac gcgcacaacg 300
agcgcgccgg cggccggcg ttccgctcg ggatgaacca gttcggcg 348

<210> 22028

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-G10

<400> 22028

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ggcgttgcc atgctcgaca tcgccaagt cctctacgac gacatgtccc tgatggagag 120
ggcgtccgat aaggcgaagg cggcgatcgc caacgtcgcg gctggcgacg acaagtacta 180
cagcgtcgaa gctctaaagg agcaaatgtt caggccctgc ttgcctgaca ttatagccta 240
aactcggca cccaaaatgg agtcactctg cgatttctac catgcagcta cca 293

<210> 22029

<211> 285

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-G11

<400> 22029

cccacgcgtt cgaggatgag gatggcagtt cttacgtttt atgagatgag atgggtgctgt 60
caacttacgt aaaggcaata cgatgcatag aatagtgcc aagttgtgtt atgtatttcg 120
ttcattcctt gatcttgcac caaagattca aggctaagtc agcctgctgc aaagggtttg 180
gttgaatcct tgtatactgc cagataaagt gttacgatgg tgcaatcttg gattagcctt 240
tggcctacga atacatcacg aacgggcagg cgatgctgaa gatcc 285

<210> 22030

<211> 268

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-E6

<400> 22030

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aaggaagtac agtgtctgga ttggaggatc catcctggca tcgctcagca ccttccagca 120
gatgtggatt gccaaaggctg agtacgacga gtctggcccc tccatcgtgc acaggaaatg 180
cttctaattc tttgggcccc agagatgcaa agccgagagg agccattatc gccagtctgc 240
cgccccgttt ctttctcctt ttggtgct 268

<210> 22031

<211> 343

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C9

<400> 22031

cccacgcgtc cgcccacgcg tccggtttct tccttccttg gccgcttctg cgctcgccgg 60
ccttctcctc ccccatcctc tcccttggtg ttctagatcc actcctcccc gtgctcactg 120
ctcatccgcg aacaggttga gcggggacgc cgtggagggg cgagggggag ccagattgag 180
ccatggcctc ctgctggggtt cttgccctgg ttcttgcgct gtcggcaggc gcaagcctgg 240
cgcgtaggctc cgagccgtgg tggaacgaga cgcacgtgta cgccaccacc gacaactccg 300
gtggcggaac cggcgtcttc gtcggcctca cgctcatcca gtc 343

<210> 22032

<211> 306

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D1

<400> 22032

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tgcatgtggt aaacctggag ttcggatccg agaggtctgt gaaatcataa atagacatgc 120
ttcgatgtca ggtttatctg tagggaaatc ctattgcggc catggcatag gggaactgct 180
tcactgtgcc ccaaacattc ctgattatc aaaaaacact gctgaatgta tcatgaaggc 240

tgggcagaca tttacaattg aaccagtgtg taatgcattc tcaatcatca cgccacagac 300
gatcat 306

<210> 22033
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D10

<400> 22033

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aaacaatgcg atgagagcct tgttcctcct ggtcctcttc tgcacgtgc atggtgagaa 120
ggaagagtca aagggcatcg atgcgaaagc gtccgggcct ggtgggtcct tcgacatcac 180
caagttgggc gcctccggca atggcaagac agacagcacg aaggctgtgc aggaggcatg 240
ggcatcggcg tgcggcggca ctgggaagca gacaatcctc atacccaaag gtgacttcct 300
tgtcggacaa ctcaacttca c 321

<210> 22034
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D12

<400> 22034

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tggatatggt tgaacttcca cggacaacga tttccttggga atcgccaccg gcaagacgaa 120
tccacagatt gcattcatcc gaggggcat taaaatcaag gggagcatca gtgcggcgca 180
gaagttcacc cctgacatct tccccagcc tgccaagctg tagaacgtta gattgtatta 240
cttggtcgag gtgaataata atgtttgcaa gtttcaatta ctatgtacga gatacaatga 300
gtggaacatg aaaagcacgt tcttcgtggg aatttgata tggttgaac 349

<210> 22035
<211> 485
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-D2

<400> 22035

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cgcgtgtgag ccttctagtt ccgccaagcc gtgcgtactc ggcgtcgcg atctcgggac 120
tcgaagatga ctgtgagtc ctggtgccg aacaaggccg gggatggcca gcatcaagga 180
gatgccggtg gtgcaggacg ggccgccgccc gggcggtttc gcgcccgtgc gcttcgcccg 240
ccggatcccc acctcggggc ccagcgccac cgccatcttc ctcaccacct tcggtgcttt 300
cgcatatggc atgtaccagg tcggtcaggg gaacaaggtc cgtcgggccc tcaaagaaga 360
gaaaattgct gctcgagtg ctatactgcc gatgctccaa gcagaagagg atgaaagatt 420
tgtcatagag tggaagaagt atcttgagga agatgctagg atcatgaaag atgttcaggg 480
tgga 485

<210> 22036
<211> 349
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-D4

<400> 22036

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ttgtgatacc ttgtatttta cttgatcaat tgacaattat acttcactat gtatacagat 120
gaaattttag attttacgtg atatatcaat atgtaattga tgggcctatg aaattctgag 180
aattcagaga agtggttgatt tgttgccgga cacatcactc agccattgaa ttgttgccg 240
acttgcttct tttgtttcct tgttgaattc tgttatatat ggcagggatt aaccgaatga 300
atattttgag gcanggatta aaccatagag ggattaaacc cccaaggga 349

<210> 22037
<211> 348
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D5

<400> 22037

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cctcgccctg gcgtccgcgc tccttgggtgc ggcgcgggcc gccgcgaacg cgcccgggcg 120
ggcggttcagc aactgggtgg cgatgaacca gcagagctac gcgctgtacg cgcagaagtc 180
cgtcgggggac ggggggcaagg agcccttggg caagaagctg tcggaggcg 240
agtcacgtac gtgggtggacc ccagcggcaa ggcgactac accaaacata ccgcggcgct 300
ggaggatatc ccggtgagca acaccaaagc cgtgatcctg gacctcaa 348

<210> 22038

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D6

<400> 22038

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aaacatagtt cttattaaca tatttcgttc gaatgaatga aaatgaatca tacataaaga 120
ccacatttat agatttacta atgtatgttt agtctaaaaa tactatttta agaccgaggg 180
ggtactattt tccgtggacg aattgaatgc cagaaataca gcggaaagtt ttcgagatat 240
tgttccaat tatcagcaac tagcgtctaa ttagacagtg attagtttct agagattaaa 300
tttttagttt tccattttat tttattctag ttctaaat 339

<210> 22039

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D7

<400> 22039

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aacttaataa tcgtagctcc gaatttagtg gttcttattt ataggatctc gttatgcagc 120
gtagaatatt attatatagt ttattcctat gtttgggtga atgttaattt tgcctatacc 180
atgtttgtct gtattgctac gtttagcagt gaggacacat gtcactctgaa gagcaagttg 240

gtacctggaa tctcaagtgc taggcaagtt gtgcccttga tcactttttt ttacccagtc 300
atgttctgat taatcataat gatctgcata ggttaatttt gatgggaccc aacaagttac 360
cctaatttgg atatctttat accttgactt cactaaactt tttgggta 408

<210> 22040
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D8

<400> 22040

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cacggcaagt cgtgtgcctg aaccttcata ttaagttgtt gtcgtatccc ttcgtcttgt 120
ttcggttgca ccccgatgat gtatggattg gttgctgacc acttgatcta tctattctgc 180
atcttccttt gaaatgtacc cttgtgcatt tggatgcttc tagtgtactg ttcttgcatt 240
gttactcata tgaccgagca gttgagtaca gcgtgactgg gcttctgaag cggccaaatg 300
atcaagaaac cgttctggcg atgcctggag agtggccctt aaaaagtatt caggcaagcc 360
ttgggggatgg aggttaaata gacctgggta aaaattatct 400

<210> 22041
<211> 238
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-D9

<400> 22041

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cacaagtatt acatgcgatt gacacttaaa gtcaaggtga tctctgatcc caaggcctac 120
gcgatcacgc aattactcac cccctcaata ttactatcta gaaacacatc atgtctttaa 180
caacaccgtc tgaacataac gcttccgatg taaaattat aacccttgct cagcataa 238

<210> 22042
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-E1

<400> 22042

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tagcatgggc actggttcta gcctggagca agggccacag ggagtgtttg aaccgcagga 120
gccggtggaa tcagtcgcca acggtgtgcc atctgatctg gagagtctgt ctgttgaggc 180
gaagggattg gaggttcgac aggggtgttc ttcaggtggt tctgagcatc tgaatggcag 240
gccaaagcga gagttaaatg atgatttctg ggaggacctt ctgcatgagg tgggactcgg 300
cgcaaagcga ggcaatgctg ttggtcagga tgatatgaac atggacatgg acccagatgt 360
tagcctgcct taactgatac aacatgga 388

<210> 22043

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-E10

<400> 22043

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tctggccgtg gcggcggcgt cgccctggc cggcgtggcg tccgcggaga aggcgggcgg 180
gttcgtggtg acggggcgcg tgtactgca cccctgccgc gccgggttcg agacgaacgt 240
gtccaggagc gtggccggcg cgacggtgga ggtggtgtgc cggcacttcg gcgcgtccaa 300
agagacgctc aaggcggagg cgacgacgga cgacagcggg tggataaagc tggagatcga 360
ccaggaccac caggaagaga tctgcgaggt ggtgc 395

<210> 22044

<211> 440

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-034-Q1-K1-E12

<400> 22044

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tacgactcca aggtcacctt ccaccttgaa aaggggtgcg gcccctaacta cctggcactg 120
 ttggtcaagt acgtcgacgg cgacggtgac attgtggcag tggacgtcaa ggagaagggc 180
 tccgacacgt acgagcccct gaagcactcc tggggcgcca tctggaggaa ggacagcgac 240
 aaaccgctta agggaccccct caccgtccgc ctactaccg agggaggcac caagtccgtc 300
 tacgacgatg tcatccctgc caactggaag gccaacaccg nctacaccgt caaataatta 360
 acttttagtgc tgacaatact ttaagctgac ctatgctagc tatactagat tgggttggat 420
 cccaagcaat gcattacaca 440

<210> 22045
 <211> 348
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-034-Q1-K1-E2
 <400> 22045

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 ttccaaagtc cccccaggca agaacatcac ggccacctat ggcaaggact ggttggacgc 180
 taaagcgaca tggatatggca agccgacggg tgccgggtccc gacgacaacg gtggcgggctg 240
 ctggtacaag gacgtgaaca agccccctt caatagcatg ggcgcatgcg gcaacattcc 300
 catttttaaa gatggtctgg gttgtggggt ctgcttcgag atcaagtg 348

<210> 22046
 <211> 240
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-034-Q1-K1-E3
 <400> 22046

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 agacatggat tctctctgaa gcgcgctgga cactgtttta tctgcaccg tgaggattag 120
 tctgtgtgag catggctgcc gtccgtatcg ccgttactgc tcccagcgtc gtctcccatg 180
 agttgctact cgatatcaga tcttcttctc tattctttct taccattctc tccaatagat 240

<210> 22047
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-E5

<400> 22047

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 acgaggagga cctagtcgac tatgaggagg aggtggagaa tgtcattgat ggcgccccca 180
 ccaacggctc ctcagatgtc gtcaagaagg ggtacgtagg gatccacagc tcgggggttca 240
 gagacttcct gctcaagcca gagcttcttc gcgccatttc agaatgcggg gttgagcatc 300
 cttctgaagt gcaacatgag tgcattccctc aggctattct tggaaagga tgcattctgtc 360
 aagcagaatc tggaatgggt aagactgc 388

<210> 22048
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C8

<400> 22048

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 ccgcttccca ttcgctcgcc ccaccgagga cgaggaccac cgtcaggagg gggccgagga 180
 ggagggggag gagcaggccg tcgatgcgcg gaaggaggaa cgggaccttc gtcaccgcga 240
 ggaggcgcgc accgagctac ggcgggagct ggagaaagag cgcagcgccg cggcgtcggc 300
 gaccgaggag gccatgtcca tgatcctgcg cctgcagaag agaagtcggc gctggagatc 360
 gaggtgcgac agcagcg 377

<210> 22049
 <211> 362
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-B2

<400> 22049

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tgatggtcag gtgatcacca ttggggcaga gaggggtcaa gatgccctg aggggtcctc 120
tttccagccc ttccttcatt ggtatggaag ctctggcat ccatgagacc acctacaact 180
ccatcatgaa gtgcgatgtc gacatcagga aggacttgta tggtaacatt gtgctcagtg 240
gtggcacgac catgttccct ggtattgcgg accgtatgag caaggagatc actgcccttg 300
cgccgagcag catgaaaatc aangtggtgg caccgntga gaagaaatac agtgtctgga 360
ta 362

<210> 22050
<211> 230
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-B3

<400> 22050

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tgcggaaccac aatctgctca tcaagcactg ctcgcttgca tgctcgcgtc tccatgggtc 120
tactgtcaaa caggattgcg aaggctagcc tctgagccgg ggatcatatc tactcctgga 180
cggcagcgtg agcatacaca cctcactgga tacatgcatg ccaccataag 230

<210> 22051
<211> 380
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-B4

<400> 22051

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gaggcanaag cagccatggc gaactcgtcg tacggccttg cggatgaacga cgagtgaag 120
gtgaagttcc aggagctgaa gtcgcggcgg agcttccggt tcacgtgtt caggatcgac 180

gncgccgacg ccatcgtgga acccgacgtg acccttttcc agtacacca gcaaggccac 360
tccc 364

<210> 22054
<211> 419
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-B8

<400> 22054

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gcggtggtcg tcggtgtggt cgccaccgtc acccgctccg gcaagaaggc cggcgacaac 120
ttcacggtcc cgggggaggc ttcccttgcc acgtccggca agtcggtcaa gtccctgtgc 180
gcgcccaccc tatacaagga gtcgtgagag aagacactgt cccaggccac caatggcacc 240
gagaacccca aggaggtggt ccacagcgtg gccaaagggtg cgctggagtc ggtccagacg 300
gcggtcgagc agtccaagtc gatcggcgag gccaaaggcca gcgactacat gaccgagagc 360
gcgcgcgagg actgcaagaa gtccttgga gacgccgncg acgacctgag gggcatgct 419

<210> 22055
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-B9

<400> 22055

acgcagacaa tggcgcgcaa cctgtctgtc acattgttca ttctgacggc ctatgtcgcc 60
gggacggcgg caccgaccgt ctgtgcggtc aaatctccgg cgagcacaac gaccacaagg 120
aaacacgaag cagccaaaga agagacggat gcgcctgcc aggcaccagc tgctgcagcc 180
accgacgggc ctgctgcgtg agcgcgccatg acatggccgg atggcggggc tgagtctgtc 240
aagatggtca tcaagaaccc gttcttttaa agcgcacctc catctggtag cgaagacggc 300
ctaccattg accccactac agaaggcagc atgaactaaa ctaaatacca attacgagac 360
cgaccagata tgcattggagc atgcaagaat gctgtcgaac gaatatatgc tatgaatggt 420
tacatgt 427

<210> 22056
<211> 270
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C1

<400> 22056

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gcggcgccac tggttcggag ttcgacgacg gcacctcgcc caagttcccc ggatgcgaca 120
acacgctgca gaaagtgaag gtgacgtact gggaggacgg cgacgagcgg agcagcctta 180
cggggatcag cgcgaggttc ggcgcgggtc tgccggacgc tgcgcccgcac gacgagaagc 240
atcgggccgt cgggcccagc cccgagagcg 270

<210> 22057
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C10

<400> 22057

cccacgcgtc cgaataaagc atcgatcacg acaagatggc gtgcacaaac aatgcgatga 60
gagccttggt cctcctgggtc ctcttctgca tcgtgcatgg tgagaaggaa gagtcaaagg 120
gcatcgatgc gaaagcgtcc gggcctgggtg ggtccttcga catcaccaag ttggggcgct 180
ccggcaatgg caagacagac agcacgaagg ctgtgcacga ggcatgggca tcggcatgcg 240
gcggcactgg gaagcagaca atcctcatac ccaaagggtga cttccttggtc ggacaactca 300
acttcacagg cccttgcaag ggcgacgtga ccattcaggt ggatggcaat ctgctggcga 360
ccacggacct aagccagta 379

<210> 22058
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C11

<400> 22058

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 aaaagaatta gatgaggatg cacggtgttt ccaaaggcca cctgcttgca tcataaaata 120
 cagtgatatt ttgaatcatg cagcaaaggt ttatacacat agaacttaca aactgtttga 180
 gacagatttt cttgatgggt gtggagccac aaaattcaaa gagcttccgt gtcaagataa 240
 caatacatat caatttgaga tgactatgca agggcgagga tcaagagttt gcacagttca 300
 tttcaatatg tctatgatgc aattaagttg cagctgcagt aagtttgaga caatgggttt 360
 actttgcca catgctttga aagctcttag tataaaaaat atatgcaaaa ttccagaaag 420
 ctacatac 428

<210> 22059
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-C12
 <400> 22059

cccacgcgtc cgcggacgcg tgggcgcccg tggtaagga gacgcccga tctggcgccc 60
 ccgccccgc taggaagccg cccgtgcaca catctgccgc ctccggcggc ggcgggtggg 120
 acgactggga cgacgatttt cggccggaca tgaggcgga tcagtcggtt ggatcgttcg 180
 ccgcccggg tgccagtcg gggaggcagc cgccgaggtc caaatcaaca caggacatgt 240
 acacgaggca gcaactggag gcgtcggcg ctaataagga ggactttttc gccaggagga 300
 tggcggagaa cgagtccaag cctgacggga tcccgccatc ccagggcggc aagtacgttg 360
 gggtcggatc cagcccaccg ncgtcggcta acaggaacgg ccgtgcttgc cagggcgatg 420
 tcatg 425

<210> 22060
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-034-Q1-K1-C2
 <400> 22060

catatttgaa acagttaaga attcatatat aagagtgc atatatatat ataattctgc 60
caagacaaag gtaatggagt cgtcacgcat gttccagccg gccatcatcc tgcttctect 120
gctcattgtg accaccgatg tggcgcatgc ggcgaggaa tgcgagaagg acagcgagcg 180
attccttggg gcatgcatgg cgtcggacaa ctgcgccaac gtgtgccggtg gtgagggctt 240
ctccggcggc aggtgcagca ccttcgcgcg acgctgcac tgcactaagg cgtgctaaat 300
taacctactc ccggcagttc gatggtggac gtttattcta tttattggct tacttgattt 360
ttttttcccc taacaataag aaaaacgcac gtg 393

<210> 22061
<211> 302
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C3

<400> 22061

acgcccacgc gtacggaaac caaaaataaa ctgcaggcag agggggaagg agagcggcag 60
gaggggtcatt aaataaatct acttttctgt ttcagggtag gaaatgatgt ccgagagtga 120
agagcatggc tcgtctctag acaagatcaa cgacaagatc aacgagaaga tccatgagta 180
taagcactcg tcgtcgtgct cctcctcttc ggactcagac tatgacaaga agcccaagaa 240
gtctaagaag aagaagcttt ttggaagata acatccattg catcatgtcc tctgaggagg 300
ca 302

<210> 22062
<211> 338
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-C4

<400> 22062

ggtgctcagc tgcacccgcc accccaacat ggtgctctc ctccggcgcg gcccgagta 60
cggctgtctc gtgtacgagt acatggacca cggcagcctc gaggaccggc tgttccgtcg 120
ggcgggcacg ccgccgctcg cgtgggcca gcggttccgg atcgcgccg agatcgcgac 180
ggcgctgctg ttctgcacc aaacgaagcc ggagccgctg gtgcaccggg acctgaagcc 240

gggtcaacatc ctgctggacc gcaactacgt gagcaagatc agcgacgtcg ggctggcacg 300
cctggtgccg ncgtcngtgg cggacaacgt gacgcagt 338

<210> 22063
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C5

<400> 22063

cccacgcgtc cgcggacgcg tgggcgggtcg cgtgggatcg aagctcagct tggtgacgga 60
tgcattcttc ctcagaaact cggaaccct tttccacaaa atttcaagga agttgtgaag 120
acaatcttta agcgactttt ccgtgtttat gtcattatct accactcaca ttttcaaaag 180
attgtcagcc ttaaggagga agcacatctt aacacttgct tcaagcattt tacattgttc 240
acttgggaat tcacgttgat tgacaaggct gagcttgcaa cacttattga tctaattgaa 300
ttcattgtgt cagtttggtg gcatgacatc aatgatt 337

<210> 22064
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C6

<400> 22064

cggacgcgtg ggcggacgcg tgggcgggtac gcgtgggcgg acgcgtgggc gaatctgcgg 60
tcctctccaa cacgaagatg gcgttcatca gcaatgtcgc agtgaaggcg gcggccgtgg 120
ccgcgtgct gctggtcgca gcggtgtcgc ctgccgcgcg cgcggcggcg gtggcggtgg 180
cgggaggggc gccgtcgggt cgggcgggtc cgtggacat cgcgcagctg ggcgccaagg 240
gcgacggcaa gtcggacagc accccgatga tccttaatgc gtggaagaac gcgtgcgaag 300
cgacgggggt acagaagatc gtcattccgc cgggcaacta cct 343

<210> 22065
<211> 200
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-C7

<400> 22065

gcgccccacgc gttcgccac gcgttcgagc ttctgtcttt attccgccgg gcaacagctc 60
aggcgccgca accgccacat cagccatggg cgcttgcgca accaagccca agacgcttga 120
gggggcaggc cccagctgag gccgtcggtt tcacaccaa ggttgcgccc gatgccactt 180
caatctccgt tgaaggtgcg 200

<210> 22066

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-B12

<400> 22066

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aatattcaag actttctagg ctgcggggtt cagacagtcg aggagctatc agcagagctt 120
gtctcgttgc agggtcaggt ggcggagctt caaaagcgtg tcagtgattg gagcgatcct 180
gagaaagttg acaatatcga caatataaga gcaatggagc aatctctcaa agaaactatt 240
aatcatatcc aaatccataa ggggaacttc ggaaagcaac atctaatacg gctacagtat 300
gctgctaccc agttccagac cgacatgcag ttgcctctag gactgcccgg cgagtcaggc 360
ccttcgtcgt gggtccaaaa cggcggcact gatgggcaac aagccatgat gc 412

<210> 22067

<211> 180

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-H8

<400> 22067

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tccaactgtc caacacacat atactaagat ggatactgg atatccaaac aagttaggtg 120
tctagtgctt aggtttttgt ttgtggtaat ctgcaatata actttgagat cctttgtgtg 180

<210> 22068
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-H9

<400> 22068

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gcgcctcagc atggtgacac taattttctg caatggtggg aaagagtttc agctattgta 120
gtgaggaaag gattggactc tctcattatc ctgggagcat ggatgatctg gaagcatagg 180
aacgaagtga tgttcaaagg agttttctct aatctcactc ttctcctgga gtctgctaata 240
gaggaaaggg agaaatggca agttgcaaga gccaacgggt tacccttttt ggctgctcct 300
agtcgtaatg tttagggaca gtggttgggg ttttttattt tttgatgtct tttatggaca 360
tttttgtgta tgcctgtttc tgggtctcgt aaggagtgcc ttgtaccggg ggtcttctct 420

<210> 22069
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-A1

<400> 22069

caataagatg gcgtgtatag acaatgcaat gagagccttg ttccttttag cgctcttctg 60
tgtcgtgcat ggtgagaagg caaagtcaaa ggacaacgat gcaaaagcgt ccgggcccgg 120
tggttccttc gacatcacca agttggggcg ctccggcaat ggcaagacgg atagcacgaa 180
ggctgtgcag gaggcgtggg catcagcgtg cggcggcacc gggaagcaga cgatcctcat 240
ccccaagggc gacttcctcg tcggaccact caacttcaca ggcccatgca agggcgacgt 300
gaccattcaa gtgaatggca atctgctggc gaccacggac ctaagccagt acaaggatca 360
tggttaattg atcgagattc tacgcgtgga caac 394

<210> 22070
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-A10

<400> 22070

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cagggaaacaa gctgcgattg gcaggagtac tggacagatg gataacgtga tatcacaagc 120
tcaggcaaca cttggttctc tcatgacca acggtcaaca ttcggtggca tcactacaaa 180
gataagcaac gtcagcagcc agcttccaac aattaaccac gtcctctcat cgatcagaag 240
gaagaaatcc atggatacca tcattctttc gtcggttgca tctgtctgca cgtttctcat 300
cttcatctac tggctgtcga agtaggttta ccagagcaaa gatattacag tgttgtaagc 360
ttgggaccac accaccagta ccggtacaga tagtcttcat tgggtgttgt acaatattat 420
tggttgattg aatgct 436

<210> 22071

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-A11

<400> 22071

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cctcatagaa taagctctat ctaccgcaa caactcctca ttacaatcct tcaagagagc 120
agcactacac tacactacat tagagagagg tcgagcgccc ctctccgat ccgccggccc 180
gccgagagct agctgctgat cggtcgagga gagtcatggc gacgtcgacg atgcgcgttg 240
ccgccggcgt gctgctggtc gtgtcggcgc tggcgacctt ggcccgggcc gaggaccctt 300
acctgttctt cgagtggaag gtgacgtacg ggaccaggtc cctgctggga gt 352

<210> 22072

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-A12

<400> 22072

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gagcagcaca ggcgacaagg cttgtgtcgg gctcgggagc agtgaataa acatcccgat 120

ggaagaagcg gttgatgaac ctgttaaacc ggcggaagct gtggacgaag ctgggctgaa 180
gagagatgtc tgctgttcac cagctgagcc aaacgaagcc gttggtcaga acgagctcaa 240
tgaggctgct gtcgtcggtg aaacgacgac tgaaccgaag gaggctgagg atgaagccaa 300
gataataaag caagtcgact gcgaaactgc atcaaaagaa gttgctagta ctggggccga 360
gtcaagggac gatgccgcta ctatggaacg cgagccgctg gtagcagcag cagcagcacc 420
acaagaagag 430

<210> 22073
<211> 387
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-034-Q1-K1-A2
<400> 22073

attattttatt tattttgttc agaactccta ttgcataata aagttgtgac attcgttgct 60
ataccactat tcatcatatg tgtgagactt ggtcccagca cacctgggtgt ttatgtttgc 120
gctcggatct ctaaaacccg agtgtgacag aagtggatc agaggaatgt tgactgtagg 180
acaaaaccta gatagaactg gacaaataat actgtcgaag aggaaatctc cggccgggtg 240
gcggaatgca cccgccctaa atcctaagat gaggagatgc ctaaacgttt tgccctgtag 300
gtggaaacga gaagaacaca agaacacaca aggatttaga gtggttcggg ccgccggagc 360
ataatacact actccactat gtgatgt 387

<210> 22074
<211> 407
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-A3
<400> 22074

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gggcgaaccc gaagccgacg ctggtgacga agcgtgccgc catgagcgcg gcgaagctgg 120
tgccgagcga catggcgagc gcgccggcca tgaggaaggc gttggcgagc acgatggtgc 180

ggcggcgccc caggtggtcg gccacccagc cggcggcgag gatggacgcg accatgaaca 240
 cgttcattgga ccccgccagc acctcgacct cgccgtcagt gagccccacg tntccccga 300
 tgaacagctc cgcgtcgctc atcagcgtea ggtctgcagg gcacgtatat ggatcggtcg 360
 gaagcatgag ttttagcacat cgatctctct tcgtgattaa ttggatg 407

<210> 22075
 <211> 268
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-A4

<400> 22075

ggacaatcgc gtccaaccgc cgctgcacaa gactaggaag aggttcccgg taccggggcc 60
 gccgctatgt cgctgatgat gaacgccttg taaaactggc tggatgaacc gcgccgaac 120
 ccgttcgggc gcctccacat gaccgcctg tcttggggct taaggaattc cggcttgagg 180
 tccaagaccc tgtccaaccc tattttgaac cggacattaa ggaagcgctt gggaagggtg 240
 ctatggaggt ggctgcagcc cgcattca 268

<210> 22076
 <211> 368
 <212> DNA
 <213> Zea mays

<223> unsure at all n' locations
 <223> Clone ID: LIB3066-034-Q1-K1-A5

<400> 22076

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 gcagtccatc aaggaggaga acgagcaaga gggggatggt gaccatgggg cgcgagtcgg 120
 cggcgaggat ccgggcttgg tgggaggggg atgcggcgag ccggacctcg cctccttgct 180
 ggtggagggtg gacgcgttcc tcgcgggtca ggacgaggac gcggcgcccg tgagcatcac 240
 ggagacgacg ctggagaggt tcgcctncgn cgctgagctg ctggctcgcca ggtacgaagg 300
 agtcgaggac aggtgggcgt cggaggcccg cagcgagccg actgcgctgc tggccgcgat 360
 aacgcgca 368

<210> 22077
 <211> 394
 <212> DNA
 <213> Zea mays
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 <223> Clone ID: LIB3066-034-Q1-K1-A6
 <400> 22077
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 ccgtccccgc ctccccacc gggcacgacg agaagcgtg cagcttcac acgccctact 120
 cagacccccct gtatgtcgcg tatcacgacg aggagtgggg agtgcccgtg cacgacgacg 180
 agttgctatt cgagatgctc aactgtctg gcgtgcaagt cggggccgac tggacttcca 240
 tcctcaagaa aagacacgtg tacagggagg cgttctccg cttcaacgtg gatgcggctg 300
 ccaagtacac cgagaagcag atggcgctgc tgagcgccga ctacgggctg gaattgggca 360
 ccgtcagagg aaccggcaac aacgcctggc ggat 394

<210> 22078
 <211> 365
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-034-Q1-K1-A8
 <400> 22078
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 tcaggggatt gagatgctgt cattgggatc atttaaaact ggagccattc tcttgggtgg 120
 actttttgtg tatgacattt tctgggtgtt cttcactcca gttatggcca gtgtggctaa 180
 atctttcgat gctccaataa agcttctgtt tccaactgca gacgctgaac ggtcattctc 240
 catgcttggc cttgggtgaca ttgtaatacc tggatatatt gtcgcacttg ccttgcgttt 300
 tgatgtctca agaggtacca agaagcgtaa cttcaacagt gcattttttg gatacgctgg 360
 gggtg 365

<210> 22079
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3066-034-Q1-K1-A9

<400> 22079

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acatggacgg gagctacttc ggcctggtgc tggagaagaa gatgccctc accatcgacc 120
gcctgctggg gatggacaag acgaccgagc ccatagtcaa ggccatgtcg gacaagacta 180
ccgacttcgt ccccatcttc gccaaaggcca tggagaagct cagcgccctc aaggttctca 240
cggggaagga cggcgagatc aggaagacgt gtcctcagtt caacaaccg cagaacacca 300
gcggcagcac gtcggtgata cggatcagct ccatcgacgc cgaccagatg gccggnctgt 360
cgcagccagg gtcgacgtcc aggaaagt 388

<210> 22080

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-B1

<400> 22080

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cgcagccgcc gcacagatgg caccgaaggc ggagaagaag ccggtggcca agaagccgc 120
ggaggaggag cccgcgacag agaaggtgga gaaggctccg gcggggaaga agtccaaggc 180
cgagaagcgc ctcccggcgg gcaagtccaa ggaggcggc gagggcaaga aggggaaaaa 240
gaaggcgaag aagtccgtgg agacctaaa gatctacatc ttcaaggtgc tgaagcaggt 300
gcaccccgac atcggcatct cgtccaaggc catgtccatc atgaactcct tcatcaacga 360
catc 364

<210> 22081

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-B10

<400> 22081

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gcggtgctacg gttccggccg gggggccacg ccggggcccg gcgagcgccg gcagccgagc 120
 cggacgagggc gtcgcgggag ggctgctggg cgcagttgcc tttcgagctt ctacgtatgg 180
 tgctggtcag ggctgaggac caggagtcac ggtggccggc ccgcagcgcc atcgtggtgt 240
 gcgcctgcgt ctgccgtgc tggagggccg ccgtcaagat tgtgcgctg ccggaggctt 300
 ctgggaaact caccttcccc atctctcaag cagccttggc caagggat 348

<210> 22082

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-B11

<400> 22082

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 ccgcatcaag gcgtacgagg acgccgcctc cgtgctcacc gtctccaaga tccactacga 120
 gaatatcaag atggaggact cagccaaccc catcttcacg gacatgaagt actgccccaa 180
 caagttgtgt actgccaacg gcgcctccaa ggtcacgctc aaggatgtca cttcaagaa 240
 catcacgggc acctcctcca ccccgagggc cgtagcctg ctctgcactg ccaagggtccc 300
 atgcaccggc gtcaccatgg atgacgtcaa cgtcgagtat agcggcacca acaaccagac 360
 catggctata tgcacgaac 379

<210> 22083

<211> 125

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-H7

<400> 22083

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 tcgtctacga cgcctacatg cagacacatc gaccattgcc agattgactc tcgcactgag 120
 gtctc 125

<210> 22084

<211> 412

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-K1-G12

<400> 22084

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accatgtggt cgttgatgca ggcacaagtt gcgatggttg tggcgttgct cttcttggtg 120

agcggcgcat ggtgcgggtcc tnccaaagtc ccccttgga agaacatcac ggccacctat 180

ggcaaggact ggtagacgc taaagcaaca tggtaggca agccgacggg tgccgggtccc 240

gacgacaatg gtggcggctg cgggtacaag gacgtgaaca agccccctt caatagcatg 300

ggcgcgtgcg gcaacatccc catcttcaaa gatggctctg gttgtgggtc ctgcttcgag 360

atcaagtgcg ataagcttgt ggagtgttc ggcaagcccc gtgtggtgca ca 412

<210> 22085

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-G2

<400> 22085

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taggctgcag cggcagtggc ctagcgcctt caatgccggc acctgcgaga aactactact 120

cgtacccacc taccgttaca ccgactatcg acgttcacca tgactagcta gacctcacgc 180

acgcactacc catgcaagac tgctacaccg acacctactg tcaatggaca ctcgattact 240

cgacgtttat tcctgacata tccagactca tcatcatcac tgcgccgttc gtcgacgcta 300

ccctcatct 309

<210> 22086

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-G3

<400> 22086

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gaactgccgc tgcctgtgctg ggtggcactc ctgtgcggcc gatatggcag atgaggggtgc 300
 tgatggggcgt caagtgccag ctgccgcgggt tcagcgtgat ggtactctac gacgagagcg 360
 gccggccgggt gtgcactggc gtccggggaca gagctcgtga ccaggagaaa catgctgcag 420
 cgatttcagt gc 432

<210> 22089
 <211> 404
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-G6

<400> 22089

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 aactgacacc tccttgccat tgctaacgca ccatcagaag ctgtcaacaa acaaaaacat 120
 catcatctga cgattagcag ccaaaagcat gtcctgctcg tctcttggtg tcagacgcgg 180
 ctttgttcac cgtccgctgt ggacgctctg ctgagtgggc gatccagggg agaagggcac 240
 gaacccgcgg ccgccaacaa tggggccgcat gagcgcgtcg tcgaacttgc gccagtagta 300
 gtgcaccgtg tgggttggct tgcttaggag catccggagg ctggacgggc tcacaatctg 360
 tgccgacccc gtctcgatgt ccgagccctg gttctagatc gcga 404

<210> 22090
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-G7

<400> 22090

ctacaagatg gcgtgcacaa acaatgcgat gagagccttg gtctccttgg tcctcttgtg 60
 catcgtgcat ggtgagacgg aagagtcaca gggcatagat gcgaaagcgt tcgggcctgc 120
 tgggtccttc gacatcacca agctggggcg cttcggcaat ggcaagacag actgcacgaa 180
 agctgtgcat gatgcattgg catcggcatg cggcggcact gggaagcaga caatcgtcat 240
 acccaaggga gacttccttg tcggacaact 270

<210> 22091
 <211> 295
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-G8

 <400> 22091

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 acgtgaccgt gacggcgccc ggggacagcc ccaacacgga tggcatccac atgggcgact 120
 catccgggat caccatcacc aacaccgtca ttggcgctcg cgacgactgc atctccatcg 180
 gccccgggac ctccaaggtg aacatcacgc gcgtgacctg cggccctggc cacggcatca 240
 gcatcggaag cctagggcgg tacaaggacg agaaggacgt cacggacatc aacgt 295

<210> 22092
 <211> 370
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-K1-G9

 <400> 22092

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 gttgagcgcc gacgagcaag cccgacgcca ccctatggct atggaggtcc gccgcagggt 120
 tccgccgccg cacgggagcg cccacggcg ccagcaggcg accggcgggc aggggcagcg 180
 ggtgcgtgtg caggcgngg acgcgtgcc gctgccgatc cggcacacga acctcatctt 240
 ctccggcgtg ttccgccgt cgctggtgta cctgatgcgg cggcggcggg agaagatccg 300
 ctctccacg ccgtccacg tggctccct cgccgagatc ttcgcatct gcggcctcgt 360
 ggcgtcgctc 370

<210> 22093
 <211> 276
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-H1

 <400> 22093

cggacgcgtg gaccggtgcc aggccttgcc ttattgcggt ggtgcttagt cctctctgga 60
 cacgtatcga cacaagccag cgcacgcgcg gacatgaatg atggcgggtgc catgaggcca 120
 tcgactatgt tctacgagca ataggcagac gtatgtacat atccaacagt gtgctcagga 180
 gtgctcgctc tgtgccagat agctctgacg ctacatcgtc atgtgctgat gtcacacgcc 240
 gttatgaaga gagtagtgca cggagcagcc gatgag 276

<210> 22094
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-H10
 <400> 22094

cccacgcgtc cgccacgcgcg tccgcggacg cgtgggggttt tgggatggca gaacaacaga 60
 gagaatgtgg atgacatatc tgcaactttg gctgggtattt caactgagat agacattagc 120
 atattctacc gtggcctaga tcaaggaagc aaacacaccc tgggtgtcagt ggtttgttac 180
 tatggccagc attatcattg ttttgccttc aaggatggac gatgggtcat gtatgatgac 240
 cagacagtca aggtaaccca ataaccatac tactttgagc atccttttta ctgttcgtac 300
 taatgtggcc caattttggg tccatgttat ttgtgcaggt tgtaagtagt tgggggtgatg 360
 tgctcgatgat gtgtgaaaag ggtaacttgc aacccaagt gcttttcttt gagtctgcaa 420
 attaatcatt c 431

<210> 22095
 <211> 399
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-H12
 <400> 22095

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 aacggggagg tgtacggggg cagctgtctc aactccaagt tcttcacat gaacatgtac 120
 cggtgcaagg acatgctgat caaggacgtg accgtgacgg tgcccgggga cagccccaac 180
 acggatggca tccacatggg cgactcatcc gggatcacga tcaccaaacac cgtcattggc 240

gtcggtgacg actgcatctt catcggtccc gggacctcca aggtgaacat caccggcgtg 300
acctgcggac ctggccacgg catcagcatc ggcagcctag ggcggtacaa ggacgagaag 360
gacgtcacgg acatcaacgt caaggattgc actcttaag 399

<210> 22096
<211> 297
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-H2

<400> 22096

tctacacgta cggcggcgtg ctcaagcggc egggcctgat acaggccgac gccggactga 60
tcatcgacgc tgactacaag gtcgacatcc tcagcgcgat caacgcgccg accgaggtgg 120
cgctacatgt cttcgcgagc tctgatggtc aagatgggcg ccctcgaggt caaaaccgga 180
tacgaggcga gatcaggaaa cgctgcgcc tgcacaacag gcactaagcc gccgaatgca 240
tgcgcgagat ggctgcattg ctcgaggaa atccttgtga gacacacaac atgctct 297

<210> 22097
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-K1-H3

<400> 22097

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cgaccggaag aagaggacga cgacggacgg agcggcgatg gcgtgccgcg cacttgccct 120
ccgctccctg ctctccccc acccgctaca ccgctcccc gccgcggcgc cacctgtttg 180
gagagcgctc cgcggtggcc gccgtccgca cctccgctgc tgctccggcg gcgggggcgg 240
ggagcccggg cagccgccgc aagaagctgt gtcgaggcc atatccaaga tagcaaggtc 300
taaaggaagg gttgcactca caacaaatat ggtcatgggt ggtactgtga ctgacgatgc 360
angtgatgaa tggcttgttc tggatcagaa ggtaaattcc taccacacag atagaggatt 420
tacagcaatt ggcactggag gtgatga 447

<210> 22098
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-H4

<400> 22098

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cccacgcgtc cgatcacagg ctaccccagt gatgggggtg ctgctccagc agatccctga   60
atgggagaaa ctagctaaag gcatttcaca catgcaattg tgatactgac tgtgaaactt  120
acgcaccttc actatatgtg ttagcacctt ctagacgaat ctgtcctgag aatgaatcca  180
ctaatacatgg attaaagaca aggaccatct gcctgtttta cgatcacggt ggtcctaaat  240
attgatatgc caccattctg ttgtatgttg atgatgcctt attaaacttac ctacgaagct  300
tcgttttagac gattttgcac ctgatctaca tatgctgctg cgtttctggt actgatcgca  360
ttgttttcat aactttgc                                     378
  
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<210> 22099
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-H5

<400> 22099

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gcgacagcac catgaccttc gcgctccgct ccgcgcgaga gctcggccta cgggtgcgcta   60
cactctggac cgccagcgcc tgcgggtcca tcggctactt ccactaccgc cacctcttct  120
agcgtggcat ggtccacctc aagaacgagg agcagctcac ggacgggtac ctagacacca  180
tcgtcgactg gatccccggc gcgcccaagg acctgcggat cgaggactta ccgagctacg  240
tgcgaccac ggatccgaac gacgtcatgc tcgacttctt catacacgag acggtgggca  300
tgtcgcaagc gtcggcagag gtcataca cgcgcgacca gtcgcacgcg acgctgctcg  360
ctgccatggt gaatctcctg ccgacgatct acaccgtgag cccgatccag ctgacagtgc  420
agaacaacgt gcagg                                     435
  
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<210> 22100
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-G11

<400> 22100

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tttccgacat tcacaggggg gacaggaaat cagcggccat ggcctcgatt tcggcgacga 120
ccttcggcgt catcttatcc gtcctgttct gtgccgcggc tggcaccgtc gtcgacaacg 180
accttccccga ctacgtcatc taagggcgcg tctactgcga cacctgccgc gccgggttcg 240
tgaccaatgt caccgagtac atcgcgggcg ccaaggtag gctggagtgc aagcacttcg 300
gcaccggcaa gctcgagcgc tacatcgacg gggtagaccga cgcgaacggc acgtacacga 360
tcgagctcaa tgaca 375

<210> 22101

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-H6

<400> 22101

acgcctacac gtacgacgtc ggcgtcaagc tgccgttcct gatccaatcc gacgtcgcac 60
tgatcagcga cgctaactac acggccgaca tctcagcgc gatcaacgcg ccgaccgagg 120
tggccttaca ggtcttcttg agctccatgg tcaatatggg cgccatcgag gtcaaaaccg 180
actaccgagg cgataccagg aaacactgct cctcgcacaa caggcactaa gccgccgaat 240
tcatgcgcga catggctcca ttgctcgcat acaatccttg tgagacacac aacatgctct 300
gcatctgca 309

<210> 22102

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-K1-E6

<400> 22102

cggacgcgtg ggcggacgcg tgggctcgat ctgaccctc cctccaaatc ctgtttgagt 60

ccctctccaa atcatgctag ccgaaacgcc cctcctcaaa tctgagcatc aaatcgactc 120
ctcatcttcc tgaaaccatc cactcctccc taaatectct cagatcaa at gcccttctc 180
aaatatggag ggctggagga cgagtgaatc gaaagaagag gccgaggggg tgattgggat 240
ttttcttctt attttgccaa atacaaatca gctacttgct aaacgatatt tgctctggat 300
aatctaaagt aacgacgagc aaatataaga tcggtggatc tcagaaaaag gaaataattg 360
atgagaagga tcttccacaa caaacanaaa atcaaaaggg tccaatctca agggaaatgt 420
anaaaacgat gaatga 436

<210> 22103
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-K1-E8

<400> 22103

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tagcacgcta accagcttgt aatctgcagg atctaagcaa agacttgatt cagttatgga 120
cggattggta ggcctcttga aagttcgtgt ggtccggggg atcaaccttg cctaccgca 180
cgcaagaggc agcgatccgt atgtcgctcct acggcttggc aagaagaaac tgaagacaag 240
cgtgaagaag agatccgtga accccatatg gcaagaggag ctaactctga ccgtcacaga 300
tcccagccaa cactgaagc tggaggtgtt cgacaaggac accttcagca gagacgaccc 360
catgggagac gcggaagtgg acgtggcgcc actgatggan gcggtgagca tgaaccgcg 420
ggaagagagt c 431

<210> 22104
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E9

<400> 22104

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cgcagctgac gcgcacaagg caaaacccaa tcggagccgt ggaccggggc ggagataggg 120

ctcgaggcca tggcaagcgg aggcgagggc gcagggagcg gcgagtcgcc acccgctgcc 180
tcagtggagg cggcagcggg ggaggcgacg ctgcacatcc ggtgcgcgaa eggctctaag 240
ttcacgggtgc agacggacct gggcgccacg gtgggcgggt tcaaggaggt cgtagccggg 300
agctgcgacg tgccggcgcc gcagcagcgt ctgatctaca aaggccgcat cctcaaggac 360
gagcaaacc tagaaagcta cggcgttgag acagatcaca caat 404

<210> 22105
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F1

<400> 22105

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ggttgctgag acacctccgt cgggggaagg ggtggcggtg agggacaagg ggaagaagaa 120
agccgtgaag ctcaggatta aggttgtaa tcatcacctc aagaggctga tcagtggagc 180
actcgcaggc acagtgtcaa gaactgctgt tgcaccttg gagacgatca gaacgcattt 240
gatggttggg agtaatggga attcgtcgac ggaggtgttc cagtctatca tgaagcatga 300
gggatggact gggttgttcc gtggtaactt tgtaatgtc atccgggtag cccaagcaa 360
ggcaatcgag ctttttgctt tcgata 386

<210> 22106
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F10

<400> 22106

cggacgcgtg ggcgagcgcg tgggtttggc cgccccccac aaggccactc acccaaaaaa 60
tctccactcc tcgaccgcac cgagcagagg atcacatggc atccgccgtt tcgcttctcc 120
tctcgcccc gcgcctgctc caccgcgacg gcacatcccg cctcctcagc atccgcac 180
ggcgggtcct cctcgccggc cccaacaacg cgaccctcg tcggctcctg gccccgcgc 240
cgcgcgctt caacaacaac gacaacagcg gggccgtgga ggcgcccgcg cgctcgtgg 300

ccgcgggtcgc ctacctatac cegttcctcg acggcgcgca ccacggggcgc ttactttctca 360
cgcagttccc cttcttcggc gcgct 385

<210> 22107
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F11

<400> 22107

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acagaagcac cattttctgcc gcgtgagagg ctcttcaagc agcaacatta cttccagaac 120
ttgaccaagc acacctacct gaaagggcgc ttcgacgtga tcacctccgt cgccatcccc 180
cttgcaactcg ctgcctccag catgttcatg attgggctg gagtttaca catgtctcat 240
gggggttgga agaaagagt atcttccact ggtaactat tgtttctgct tggcatggaa 300
gtcataccgt cgagactgcg aagtcctctt cgcttgcaaa ataatacggc caaataacaa 360
ttcgactaca ttttcgcate aaatttctgt ttgtattgt ggggtgtgaag tggcagtaac 420
ttgaaaatca gcactgtcac tgttttggtt a 451

<210> 22108
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F12

<400> 22108

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gcatatatat attcctgcc agataaagg aatggagtcg tcacgcagg tccagccggc 120
cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa gggaatgcga 180
gaagtacagt gagcgatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
ccgcggtgag ggcttcttgg ccggcagggt cagcaccttc cgacgccgct gcatctgcac 300
taggcagtgc taaacaagat cgctcgatcg ctgccatgc atcgacaacc tattcttaac 360
aacgttcatt atctcgttct tatttatgac gaatgtcatg tatgttctgg tgactgtcat 420

gtatattctg aagactgtca t

441

<210> 22109

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F2

<400> 22109

cgtaattaaa ccatgatgat gaccgggcca agggaaacctc tttaaccga atagctgtct 60

tccctctgca tatatacaac cgtgtttcaa acttttcttc ttcaggcttt ttgaaccag 120

aggcaaaacc accctccaaa ggtataatgc aaggcttgaa gtatgacaag aatttgctag 180

attcgtaacc ttggagttcc ctatgttgaa ttgcacgacc cccaaggatg gcatcaagtt 240

caactgtctt gatggctgca gtcccagctt catcttgact cgaatctttc ccaatccaga 300

agtggatata gcatagatag gcaccacctt tagtacaggt cgtctgcaga actatgtatg 360

aatctacaca gtagaattta ccataatcag attttggcaa tgcaactggc ttaaaatctt 420

caatccgcca tatttc 436

<210> 22110

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-K1-F3

<400> 22110

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cctgggcttc tcaagagata gtcattgatg gagcaagcgt cggagaaacc tccttcaggg 180

acacgaaaag cgaggcaggc gtcgacgtcg gcgggggcca ctccccaccg tccccgcca 240

cccgcgggtc gagacggcac cgctctcggn gctccggcaa ctcattcatg gacgccaccg 300

gcggcgaggg cgaggagaag actaaggaga agagcangaa aggcaccga naagaaccgc 360

angaagcang acaagtcggc cggcgacgac gccctcggca catg 404

<210> 22111
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-K1-F4

<400> 22111

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cccacgcgtc cgcccacgcg tccgcggacg cgtgggectg tcccacctgc cgcggtgta 60
cgagctggac ggcttcgagt actgctacag gtggaccttc gccggcgacg gcgtggacct 120
gacgcacaac gtgacggtgc ccaggttgac ggtggagatg gccggtggcg cgaggctaga 180
gccggaagcc aagagcgtgg tgatgccgga ggtagtgcc gccgtggcgt gcctggcctt 240
taggaagctg ccgcggggag ggcctgggat cttgggcaac gtgctcatgc aggagtacat 300
ctgggagatc gaccacggaa aggggaagat gaggttcagg aaggacaagt gcaacaccca 360
tcatcttcac aacagcaaag gcggaaaggt ctataataat aataatggca aattctnctc 420
tactgtggtg catcggtca attaattcgt t 451
  
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<210> 22112
 <211> 290
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F5

<400> 22112

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cgcttgactc gtctctttt aagagtgaga gtgggggcac ggctgctgca aatccctggg 120
cttctcaaga gatagtcatg gatggagcaa gcgtcagaga aacctccttc agggacacga 180
aaagccaggc aggcgtacac gtcagcggcc gcgactcccc accgtacccc gtcacccgcc 240
tgtcgagact gcaccgttct cggggctccg gcaactcatc catggacgcc 290
  
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<210> 22113
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F7

<400> 22113

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cctgggcttc tcaagagata gtcattgatg gagcaagcgt cggagaaacc tccttcaggg 180

acacgaaaag cgaggcaggc gtcgacgtcg gcggggcgca ctccccaccg tcccccgcca 240

cccgccggtc gagacggcac cgctctcggt gctccggcaa ctcatccatg gacgccaccg 300

gcggcgaggg cgaggagaag actaaggaga agagcaagaa gggcaccccc 350

<210> 22114

<211> 218

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F8

<400> 22114

cgacgaggct cggactcgaa tttggggcgg aacagcgcaa atctggtagg cacatgagga 60

tgatgcggaa gaggcgtaac gagagcatat gctgtgcttc aagaaagggc ttgactcgac 120

ctgcgaatgt gattctggag gaagtggctg tggatgccga ggcaaattgg gatgctgcaa 180

gagggatgga agacttcggt gcttttagtga aatgactc 218

<210> 22115

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F9

<400> 22115

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ctcgaccttg gcgtcaacga ggtggtcggc gacgtctcca cctacgacag cggcagggtc 180

tggggcgaga agtactacaa tggcaacttc gagaggctcg ccaggaccaa ggccaagggtg 240

gacccctgcg actacttcag gaacgagcag agcatcccg ctttgctcaa gtgatcgatg 300

atacccggtc ccatccagat cctttcgacc gcgccaagca aaaggacgac gagtcgtaca 360

tgattctgct gattatatta attagatgga tccttgcttg catgcgttga agccagtgt 420
 ttgcatggcg 430

<210> 22116
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-G1

<400> 22116

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 tcgacggcag cggcgggtggc ctgggccttc gctgccgcca cctgcgtgaa actcctcctc 120
 gtccccacct accgttccac cgacttcgac gttcaccggt actggctcgc cctcacgcac 180
 gcgctccccg tgcggcagtg gtacaccgac acctgctctc agtggacgct cgattaccg 240
 cccttcttcg cttacttctc ccgctcctc tcctccctg cgccgctcgt cgacgctacc 300
 ctcatctcaa tccccgtgcg tgacgcgacg cccttcgctc atctcatcta 350

<210> 22117
 <211> 273
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-K1-E5

<400> 22117

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 acaacgggga ggtgtccggg gtcacgctgc tcaactccaa gttcttccac atgaacatgt 120
 accggtgcaa ggacatgctg atcaaggacg tgaccgtgac ggcgcccggg gacagcccca 180
 acacggatgg catccacatg ggcgactcat ccgggatcac gatcaccaac accgtcattg 240
 gcgtcggtga cgactgcac tncatcggcc ccg 273

<210> 22118
 <211> 275
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-D1

<400> 22118

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tttttttctt tctttatcaa caacgttaaa cccaccctt caatataatg accccttaca 120
aaaactaccc catttcaatg actgcaaatt cttttgctta tactactaag gtaaattccac 180
ggatatacct gaattctcaa acaatcctat cactttgaac atacatacct taactaccaa 240
cctataaaat cctaccactt cgacttcaac aacaa 275

<210> 22119

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-D10

<400> 22119

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gctctatgtc atgaatcagt ctaaatagtg agctgctcac tggccgacct actgaacaat 120
acaatatgac gactgataca gaatgaacat tggcgtgctt gcacacttag ctacgatcca 180
gttcactcag cgtgctccct gaaccactag actctgatta tgtgctatag actatgtaca 240
tcatactgac agtacgctag ctgcatacag tgctgaccac tgtatatgac tacagcgcac 300
attc 304

<210> 22120

<211> 401

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-K1-D11

<400> 22120

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tctacgcacg gggtttcatt cgtttcacat gatgagacct ggaatcctgt gaccgtgatg 120
gcgacgcgag acggctaggg gaggcgcct ccaatccaag aacgggaaac ccgtgtcgcc 180
tgttggtacg cgggcagaag atcgggttcg ccatttccaa gcttggtgcc tcgccgcctg 240

ggtctctcgt ctcgggctcc gaagccgccc gcgctggtct attagggtaa tttggttcag 300
 tctattcgga tttatgaaat ntcggggtct gaaaaatgag aaccgaaatt tccaaaaata 360
 ttttaggaac cgaaccccga taaactcaca attttggttc g 401

<210> 22121
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-D12
 <400> 22121

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 gcatatatat attcctgcc aagataaaggt aatggagtcg tcacgcaggt tccagccggc 120
 cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa gggaatgcga 180
 gaagtacagt gagcgatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
 ccgcgggtgag ggcttcttgg ccggcaggtg cagcaccttc cgccgccgct gcattctgcac 300
 taggcagtgc taaacaagat cgctcgatcg ctgccatgc atcgacaacc tattcttaata 360
 aacgttcatt atctcgttct tatttatgac gaatgtcatg tatgttctgg tgactgtcat 420
 gtatattctg aagactgtca tgtatc 446

<210> 22122
 <211> 369
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-D2
 <400> 22122

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 cccccgtccc ctgcggcgcg cggcggagcc cgagcctgag tcttgccccc ccgggctagg 120
 ttgggtctccg cctccgccct ccagtctctt tggcacaacc tgcagccgct ggcgaggtg 180
 gacatggatc tgccaagcct cgccgtcggt ctgcgcgccg cgctcagtca cgttctctgag 240
 gagcgcaaag ctgcagagga gagtctcaac cagttccagt tcacaccaca gcatttggtg 300
 agattgttac agatcattgt cgatggaagt tgtgatatgg ctgtaagaca ggttgcaagc 360

attcatttc

369

<210> 22123
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-K1-D3

<400> 22123

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atacgggtccc cagggcaccg gatccagcgg cccaggctgg caccgctgcc gccgtcatgg 120
atgtggagga agaagcaaga tgaaggagct ctcccgtat ctccctgcct aagccctaag 180
catgggcatc ggccgtcgtc gctgccgccc aagcagacga ccccgctgag cccacgcag 240
atgacgcgag agcacgaccc gtcgcccccc taccgctgc accacataaa cacgaggaag 300
agccccgtcg tcatcccggc tagctgcatg gccatgccga cggcctncaa cagcagcatg 360
ccagcatggt gggagcaaac tcaggggtca aggccgtgta tttatgctac gcataaaaag 420
gtttgctatg tttcattttg 440

<210> 22124
<211> 268
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-D4

<400> 22124

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agtttagtgg atttgatag caatgctgga acaagtctgc ttctgatcca ctatgccaga 120
gggaggtcta cccagactat ggtcaatgag aaaatggtat catgtcaagc agcacgtggt 180
ctgctggcca agggatcaat gggcttggtta ctggtgaagga ttaatgaata ggtgccaaatt 240
actattatat acttgaattg ctgttatt 268

<210> 22125
<211> 438
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-D5

<400> 22125

cccacgcgtc cgagggccac ctggtacggt cagcccaacg gtgccggcgc tcctgacaac 60

ggcgggtgctg gcgggatcaa gaacgtgaac ctgccaccct acagcggcat gacggcgtgc 120

ggcaacgtcc ccatcttcaa ggacggcaag ggctgtggct catgctacga ggtgagatgc 180

aaggaaaaac ctgagtgtc gggcaatcct gtcacggtgt tcatcacaga catgaactac 240

gagcctatcg ctccctacca cttcgacttg agcggcaagg ccttcggctc cctggcaaag 300

cccgggctca acgacaagct tcgccactgc ggcatcatgg acgtcgagtt cagaaggggtg 360

cggtgcaagt accccgctgg gcagaagatc gtgttccaca tcgagaaggg ctgcaaccgc 420

aactacctgg ccgtgctg 438

<210> 22126

<211> 327

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-D6

<400> 22126

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cggcaaaaaca ccttcgccgg cgagagcatg gcgatggcgt accgtgtcct ggaggtcacc 120

ctggtgtcgg caaatgacct caagaaagtg tcgctcttct cccggactcg catctacgcc 180

gtggcttcca tctccggatt cgacctcgc atcccttccc acagcaccca agcagaccac 240

agcaacggct gcaaccctg ctggaacgcc gtggtacact tccccatccc ggctgccgct 300

gacacccgcg gcctcgact ccacgtg 327

<210> 22127

<211> 212

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-K1-D7

<400> 22127

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aaggaagacg ggcaggagta tgcgcaggtg acccgatgc tcggcaacgg gcggtgcgag 120
gccacctgcg tggacggcac gcgccgtctc tgccatatcc ggggcaagat gcacaagaag 180
gtgtggatcg cggcctntga catcgtactc gt 212

<210> 22128
<211> 127
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-033-Q1-K1-D8
<400> 22128

aaaaaaaaac aaacaaacaa aaaaaaatta aaaaaaaaaa aaaaaaaaaa aaacggaag 60
gaaaaacaat gaaatagtga tcaccaatac ttactagtca tgaatccctg tgacaatagt 120
acatcat 127

<210> 22129
<211> 404
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-033-Q1-K1-D9
<400> 22129

cccacgcgtc cgcccacgcg tgcgcccacg cgtccgagct taattgcgcc actgctcgtg 60
gtccgtgctc ttgcattgca ttgcaagtcg tagttgagca gcagcaacca ctgcacagga 120
tgtcgtggca gacgtacgtc gatgagcacc tcatgtgcga gatcgagggc caccaccta 180
gctctgccgc catagtcggg cagcagggcg ccgtttgggc ccagagcacc gcattcccac 240
agttcaagcc agatgagatg accaacaatca ttaaggactt cgacgagcct gagtttctgg 300
ccccgatcgg cctcttcctt ggacgcacca agtacatggt catccaaggc gagcccggcg 360
ctgtcatccg cgggaagaaa ggatctggag gcataactgt gaag 404

<210> 22130
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-K1-E10

<400> 22130

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ctagaaagct agacaccgta cccatggctc gcgctagcgt cgtctttgtc attgccgctc 120
tcctcttcgt cgccatggct gtagcaccga tggccgaggc aaagtccgcc gatgcccctg 180
tggctgacgc gccagccgat ggacctagcg ggccggctgc tgcacctggc cccaggggtg 240
tcgaaggcct gtcaggcaat gaggatgacg atgatgactc caccaattga ggccacacac 300
gtcggcccgg ttaaatttgg aacaagacat ggaagaaaaa tgagagcaat gtctctaaaa 360
ccatgataat gtgtgggtcat ccactcatnc atggatacat nctngctctc cctctttttc 420
tttc 424

<210> 22131
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E11

<400> 22131

cggacgcgtg gccccgactc cggttccttc gctgcgtcac ctactagcca gagcgccggg 60
tcagagaagg cccccgccgg tgcccccaac gactcgtcgg ccagcccttc cgcgtccccg 120
tccgaagatg aagccactgc atcgcacgat agcagcagcg gccgtggcag tgccgactcg 180
gaagagccgt cgacggccga ggccggccgc gaatccgccg atagtccacc cgagccagcc 240
catgcttcgg agtcaccagc agagtctcct ggcccggccg ctgaccacga gagcggcagc 300
ccgagcatgg gcaccggtgt cgtactggcc atgctggccg acgatgtcac cgagacgctt 360
cctttctaga tgaccatggt ggctttgcgc taacatcata gtcaccgagc agcaattctt 420
ctggg 425

<210> 22132
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E12

<400> 22132

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caccgttcct aaaactgcag agaacttccg agcactttgc acaggggaga aaggaattgc 120
caagtccggc aagcctctgt ggtacaagg gtcgacgttc cacaggatca tcccgggggtt 180
catgatccag ggaggcgact tcaccaacgg caacggcacg gggggcgagt ccatctacgg 240
cagcaccatc ttctccgacg agaacttcaa gcacaccac gctaaagccg gtacgctgtc 300
catggctaac tacgggcccc actccaatgg ctcccagttc ttcatcacca ccgtagacga 360
aaaccggttg cccaagaagc tggacgggag ccacgtggtg ttcggcaagg tggt 414

<210> 22133

<211> 255

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E2

<400> 22133

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gttaatgggtt tctgtatggc tgtccacgaa tacttactag ccacgaatac ctgtgaaaac 120
agcaaaacaa aaaatgggca ccgttggcca ttatacatgg aaacttggtta atttcttagg 180
aatgtcacgt ggctcgatcg aggccaagcc atgtacgtac aagttgttca attatttatg 240
catgctgctg catgt 255

<210> 22134

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-C9

<400> 22134

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atttagtaga cagccctatt gccagactac ctgacataga gaccacaaca cttggagcca 120
catatgttgc tagcttagat gcaggagttt ggaccaagga acaagtattt gcagggttagc 180

acaaggagaa cgcgacaatc tttcgcccaa aactagatga ggtgcacaag aagagggctg 240
attcatggta caagacggtt tcaagatcat tcgatttggc tgacctttct ctgtaaattg 300
gtcttgtcgg cattgatcta tctgtttttg gaagatgcaa atgaataaat tggctcttgc 360

<210> 22135
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E3

<400> 22135

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acggatcgct ccacgcgggc ggaggacgag caacagcaga agcgcccgctc tctcttctcg 120
ccgtaccaga tgccccgctt ccgcctcacc caccgggtgg tgctggcgcc gatgaccagg 180
tgcagggcgc ccgacgcgat cccaggcccc gcgctcgcgg agtactacgc gcagcggtcc 240
acggagggcg gcttgcctcat ctccgagggc accatcatct cgccgtccgg ccctgggttc 300
cctcgtgtcc ctgggatata caatcaagaa cagactgatg catggagaaa ggtggttgat 360
gctgttcatg ccaagggagc tatctttttc tgccaactat ggcatgt 407

<210> 22136
<211> 259
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-K1-E4

<400> 22136

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aactactcat cgtcctgaaa ccattccactc ctccctaaat cctctcagat caaatgccta 180
cttcttaaatt atgaagcggc tcgaggacta gtcgaatcta aagaagacgc caaggagctg 240
attacaattc ttattatta 259

<210> 22137
<211> 393

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-B4
 <400> 22137
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 aaagccgacg aggataaaga ggagcccggc tccgcacgcg ggagcgagag gatcgccggc 120
 gcaggatgtg gtgcgcatcg tgcttggcgt ccgcctgcgc gggctgcacc tgcaacctct 180
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 tcgccggcta ccttatcctc tacttcttgc tccgtcagtt cgccgagccg ctctcaagc 300
 atatcccatg attcactaaa tttctgcatg tgctgaaggc ttaagatgca gaacagtgat 360
 gtggagtgtc cctttgctcc acaaaatgaa atg 393

<210> 22138
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-B6
 <400> 22138
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 ccccgaaggt gccggccggt cccaacatca ccaccaacta caacggcaag tggctcaccg 180
 ccagggtcac ctggtacggt cagcccaacg gtgccggcgc tactgacaac ggcagtgcgt 240
 gcgggatcaa gaacgtgaac ctgacaccct acagcggcat gaccgcgtgt ggcaacgtcc 300
 acatgtataa cgaccgcaag ggttgccggt catgctatga ggcgagatgc aaggaaaaac 360
 ctgagtgtc ggtcaatcca gtcacggtgt acatcactga catgaactac ggcctatc 419

<210> 22139
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-B7
 <400> 22139

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gagagccttg ttcctcctgg tctctcttg catcgtgcat ggtgagaagg aagagtcaaa 120
gggcatcgat gcgaaagcgt cggggcctgg tgggtccttc gacatcacca agttgggcgc 180
ctccggcaat ggcaagacag acagcacgaa ggctgtgcag gaggcattggg catcggcgtg 240
cggcggcact gggaagcaga caatcctcat acccaagggc gacttccttg tcggacaact 300
caacttcaca ggcccttgca agggcgacgt gaccatccag gtggatggca atctgctggc 360
gaccacggac ctaagccagt acaaggacca tggtaattgg atcgagattc tacgcgtgga 420
t 421

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<210> 22140
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-B8

<400> 22140

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tccagatcca ggatggcgtt cctccttgag accttgcttc cccgagtgtc ctgggtgagc 120
tactttgttt cgatttatca ggaaatccgt ttgcttcatt ttgtgcaggc tcatatctga 180
ttgctggatt cggcaaaccg gcgttggatc ctgtatcgtt tagtccttgc ctgcaagggt 240
cttgttggtt tggtttgggt gtcgagcatt gcatgttctg cttctggatc cagatctgga 300
gaaatcgaga agtcgtcgtc gttcgggttc gagcggatct gatgcgacga tagatggagg 360
cggcggggtc tctcgggtct cagtcctgct ccacctcgat ggatgatgtc tctgcgctga 420
taaatatggg atcaatttcg at 442

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<210> 22141
<211> 438
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-K1-B9

<400> 22141

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CCAGAGGGCG CCGCCGCATG TCCACGCGGC CCCAAGGAAG GTGGCGGCGG TGCgatttgt

60
ctctgctttg gtcgctctg cccggatcta gtcgggttcc aggaggtggg ggcgacgtgt 120
gtggggcggc gacccttcgc cggcgcggct cggcctcggc ggcattcctg cggcagtgag 180
cgcggcgttc gtatgtcact tccgggcgtt gcgggtcctg gctgggtgtc cgcgacgacg 240
gggggcatgc ggccggccgt gggtcgcagg cgcaagaag gtgctgtctg gcgccccagg 300
gcagggagcg gcgcgcgcg tggaggtctg gaatctggtg cgcgtggggg tcgcggcctc 360
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tcgccgtgtg ccgtcgtg 438

<210> 22142
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-C1

<400> 22142

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ggggcggggg aaacaaaaca acgcgggcag cgccacggca agcgcgtgcc tgccacggcg 120
cggacacaga gagtggaaac cggaaggggg gaagagagat ggattcctac acctcggcgg 180
cggcggcagg ggaggcggcc gtgccgccgg aggacgacgt ctgctacgtc tgccacgacc 240
gcttgcggat cccgtgccag gcagaactgc ttccataggc tctgtggaga gtgcatcatc 300
cgcgtttgga attatggacc tcctgtacag gcttgcaaga gtaccatttg tcgtcgcctt 360
ataaatctac tgggtgcctgc tgcattatca aggcacgatg atggtccaca cgctcaacgt 420
attctaggag agattcagca ctataact 448

<210> 22143
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-C10

<400> 22143

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 ccggaccggc ctgactctat accgtgtggc gctattggcc aactgatata gctcaagggtt 180
 ggaatgtcct gtaagggctg agatagagct ctaaagactg tcctgagcaa tatgcaacgc 240
 gctgctcctt acctcgtaaa cattatggaa tactacgtaa cggatgaatgg cattgtgata 300
 cactaagct 309

<210> 22144
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-C11

<400> 22144

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 taacttgtca ccaggacttg caaacacaac aactaaattg aacaacagcc caagccgtaa 120
 agcgttttca gtccaggata agctctgggc aatttatgct gccggcaaca ctgtaccaat 180
 accattttctt aaggcaattg acatttcacc actagctcta gtatcagaaa atgaatcagg 240
 aaatggcctg gctgggtcaa gtacaaatga tgctttggag gcagttaggg agctgttcag 300
 tggatgatggg caggcaaaga aaggacggaa agggcaaac gaagtccctc ttcctccggg 360
 tgtgcatcac aggtgatga caagccccac attgatgaac ctggcccaag ctctagctta 420
 tcacaaaacg tgc 433

<210> 22145
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-C12

<400> 22145

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 cgccaaccac gacgtagcac atgcaatggc actcgcggcc gtggcgctgc cgtcgtcctc 120
 gatcgtcggc ctgggtgtcta gctgcacgga accgcagcca tgcagacgat ctcgaccgta 180
 cgccgtgtgt agccggcccc ggccaccgcc cactgctgcc aactgccag tgatgacgac 240

ccggccatgt ccgccgtacg cacggctctg cctctcgatc gtacgccgtg agcaacagga 300
 gttctgtccg gcgctggagg tcggctcttg tcttggttag agctagcccc cccgccggtc 360
 acacggatcg gatctctcca tccactccca gc 392

<210> 22146
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-K1-C2
 <400> 22146

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 aattcattaa ggctatgttt ataccgtgta tcaatggta agaaggttcc attggaacaa 120
 ttattattta tttcaagcta tttcggctct ttcttaatct tcaaaaagaa atgaattccg 180
 taatggtaac acgaaaaaag aaaaaaaaag gaagtgtgga aaaaatgaca agaagatatt 240
 ggaacatcaa tttgaaagag atgatagaag cgggagttca ttttggtcat ggtattaaga 300
 aatggaatcc caaaatggcc ccttacatct cggcaaagcg taaaggtact catattataa 360
 atcttgctag aacagctcgt tttttatcag aagcttgtga tttaagtttt tgatgcagca 420
 ngtcaaggga aaaagc 436

<210> 22147
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-C3
 <400> 22147

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 cttgagtttg ctctacatgg gaacaaatga tatgcaaata ctgtttccat atgctactgc 120
 acttaagaag ttagaccttc agtttacatt cttttccaca gaggatcatt gtcagatagt 180
 tcaacgctgc tccaatctgg aaaccttaga ggtgagggat gtcatagggg atcgtggact 240
 acaagttggt gcacagacct gcaagaaatt gcataggctc agagtagaga gaggagatga 300
 tgatcaagga ggtcttgagg atgaacaagg taggatttca caggtggggg tgatggctat 360

agcccaaggc tgccctgagt tgacatactg ggcgatacat gtatcagaca ttacaaatgc 420
agctttagag gcagttggta cat 443

<210> 22148
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-C5

<400> 22148

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gtacgagaag ggggtggatta tcaaggtcaa gctcagcgat tcaggcgagc tcagttcgct 120
catggatggt gacaagtact cgaaattctg cgaggaagaa gacggtcatt gaagaaatca 180
gagggctcttc tgaacaccaa ggacctgtgt ctcaagctct atcagtgctt tctggctctgg 240
agacctgctg tgacaaatct aaattggcaa ggttcattgc atggaataaa ttagttagga 300
attgccctat tccaccaggg ctttggggaat cccgacttgt gttgtgagtg gcgttgctaa 360
agtttgatta tctcttttta gttgtaatct cgtgatttcc ttcttttttt aaaaaaaaaa 420
ttatcttttt g 431

<210> 22149
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-C6

<400> 22149

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ctcgcgaaaa taatgaagag cgcgagcatg gcatcatcgg ccgcgctctt ggtgctagcc 120
ctcgcgctag tggcggccac cgccccacag gtagcggagg caaagaagaa gagagcggcg 180
gagagcggcg aggcgggcga ggcgaagaag atccaggacg acttctgctc gacgctgtgc 240
gagggcaaga aggggacgga cctggctctg tgcaaggagt cctgcgctct ctcccagcag 300
tccaacctgg tgctgtacgg caggatccag tgcaagggca agtgcaccga gcagaagggc 360
atcac 365

<210> 22150
 <211> 324
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-C7

 <400> 22150

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 ttttacattc ctttccacag aggatcattg tcagatagtt caacgctgct ccaatctgga 120
 aaccttatag gtgaaggatg tcataaggga tcttggacta caagttgttg cacaaacctg 180
 caagaaattg catacgctca gagtagacag aggagatgat gatcatagag gtcttgagga 240
 tgaacaaggat atgatttcac acgtggagtt gatggctata gcccaaggct gtcctgagtt 300
 gacatactgc gcgatacatg tatic 324

<210> 22151
 <211> 342
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-C8

 <400> 22151

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 cttttccgac attcacaggg gggacaggaa atcagcggcc atggcctcga ttccggcgac 120
 gaccttcgcc gtcattcttat ccgtcctctt ctgtgccgcy gctggcaccg ccgtcgacaa 180
 cgacctcccc gactacgtca tccagggccg cgtctactgc gacacctgcc gcgccgggtt 240
 cgtgaccaat gtcaccgagt acatcgccgg cgccaagggtg aggctggagt gcaagcactt 300
 cggcaccggc aagctcgacc gctccatcga cggggtgacc ga 342

<210> 22152
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-H9

 <400> 22152

tggaaccttt gggctgattt atgtgcttgc gcgcccctct cagagctcct tggtatatatta 60
 ccccaagaaa gcccggttcc tataggccag tgttctagta cggcgatatc aaccctcgt 120
 aacggcgggga aagagcccta gtcaccgcag cgaggaaagg accggatctc tctaccactt 180
 cgggagtagc gacgactcgg aagtacagga atgaagcgac gcctaaagga gccctcttca 240
 actctatctc ctcttcggag ctctgcaacg aggaaaggga gaaacggtaa gccgtaagag 300
 ttaatggccc acttcccccg gtcgtcttca gctgcaacgc ccagggatag cggccggggc 360
 cccccacccc ccgacgtccc ccacggatac ccccgcgcac g 401

<210> 22153
 <211> 303
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-A1
 <400> 22153

cggacgcgtg ggcggacgcg tgggcgacg cgtggggggcc gacgaggagg ccgggtcgtc 60
 gctgcaggag cgcgactcgc acggcgaccg caagactgac aaccaggcct agcgagtgtg 120
 acggatctga ccgcccgatc ggtctgaacc ctgacaaccc gtacaagtcc gatgcaacat 180
 ttgttcattc cttgtgtcga acatgtgggg aaaaaaaggg aaatatatat gagcattttt 240
 tgtatttttt ggccagttgt agctgttact accacgtaaa cagtacgcaa agtcgttcgc 300
 att 303

<210> 22154
 <211> 272
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-K1-A10
 <400> 22154

ccgacgcgtg agcggacgcg tgtgccatct tccttcgaca ccatgctcat cgacattggg 60
 gactaccctc ttctctctct tctcttctc cctctctctc tccactgcga tgactaccag 120
 gtcattgctg aatgtccaac gacctcatgc cggcctatac atgcaaggct ggatccacag 180
 aactgcac caccgaatct agaactcttt catcaccact agattcatgt ttgaaaagct 240

cctgcctctg acgctagatc tcatacacia tg

272

<210> 22155

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-A11

<400> 22155

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gcaggctcgca gccatggcga agaactaccc gaccgtgagc gccgagtaca gcgaggctgt 120

ggacaaggcc aggcgcaagc tccgagccct catcgccgag aagagctgcg ccccgctcat 180

gtcccgctc gcgtggcact ccgcggggac gttcgacgtg tcgtcgagga ccggcggtcc 240

attcggcacg atgaaacatc atgctgaatt ggctcacggc gctaacgcgg tgctggacat 300

cgcggtgc 308

<210> 22156

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-A3

<400> 22156

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gtacgagaag ggggtggatta tcaaggtcaa gtcatacgat tcacgctagc tcagttcgct 120

catggatggt gacaagtact cgaaattctg cgaggaagaa gacggtcatt gaataaatca 180

gaggggtcttc tgaacaccaa ggacctgtgt ctcaagctct atcagtgtc tctgggtctgg 240

agacctgctg ctacaaattt aaattggcaa ggttcattgc atgggataaa ttagttagga 300

tttgccctat tgcaccactg cttgggaaat acgagcttgc gttgtgagtg gcgtgggtcaa 360

gtttgattat ctcttttttag ttgtgatctc gcgatatact tctt 404

<210> 22157

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-A4

<400> 22157

cttttcttga agaaaagaaa tgcattgcctt gggtcgttca gtagtcttac acagacatgc 60
caagatgttt cttgattctg aaattcgcta acactagcat gttttatgtg tgtattgttg 120
ttatatgaaa agtgaagtat gatcatctcc agtgtccact acatgagtac aacaaacat 180
ctggtgtttt tttcctgtac acacacaaac acaaacacac acatgatgac gacgacgacg 240
ctacttgcaac tgccctgttg ggaaggcctc tgacctgacg accccgtgct cgacgccatc 300
gacga 305

<210> 22158

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-A5

<400> 22158

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gacgctggcg gctacaacaa ctggccggag gacaccgtct tcttcgcgg cgacaacggt 120
gggtggagca ccgagtacgg cgacttcttc ctgtcgtggt actcgcagat gctgctggag 180
cacggcgacc gcattctgtc gggcgccacg tccgtgttcg gcgcggcgcc cgtggaggtc 240
tccgtgaagg tggccggcat ccaactggcac tacggcagcc ggtcccacgc ccccgagctc 300
accgcgggct actacaacac ggcggccac gacgggtacc tcaccatcgc gcgcctcctg 360
gcgcgccacg gcgccgtgct caacttcacc tgcgtggaat tg 402

<210> 22159

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-A6

<400> 22159

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cgtccggaac cgcgcgggac ggcacgcacc caccgctgg cctgaccgc tccggcgcat 120

gcggcgagac ccctatatcg aatccactta tatacatata tcacgtgtac tacgacatcg 180
aacaataata atgaacagtt atcagacgta ccggcggacg attcacaagt gtacagaaaa 240
cgatcgactc cactccaact atacatatcc tactatggct gttgatacac cccgatggat 300
cacaaggcat gcatgcatgt acatgcacgc atgggtca 337

<210> 22160
<211> 400
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-033-Q1-K1-A7
<400> 22160

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acctgtaccc gttcgtccac ctccctcccg acgggactct gttcatcttc gccaacgacc 120
gtcccatcct gttcgacccc aggaacggcc aggtcgctccg cgagttccac gttctcccag 180
gcggtgggtcg gaactaccct gcctgcgcca tgctggcgct cctgcccctc gacctccgac 240
gcggcgacgt cctcagtcac gaggtcatcg actgcgggcg ccccccaag aacgccttca 300
cgctcggcga gtccaacacg ttcccgcccg acctcaagga ctgctcgcg atcaaccctt 360
ttgagccccg cgcttggtgg gcgctggacc agatgcccgt 400

<210> 22161
<211> 205
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-033-Q1-K1-A8
<400> 22161

cttttcttga agaaaagaaa tgcattgcctt ggttcgttca gtagccttac acagacattg 60
gaggatgttt cttgattctg aaattcgcta aactaccat gttttatgtg tgtattgttg 120
ttatatgaaa agtgaattat gatcatctca cagtgtccac tacatgagta caacaaacca 180
tttggtgttt ttttcctgtc acaca 205

<210> 22162
<211> 393

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-B1

 <400> 22162

 gccacgcgtg cggcaaagac ccagaaccct agcacccccg gcccgtcgcc gacggggcggc 60
 ggagtagaga gatggcgggc gacgaggtga actcgggtcta cgtcggcgga cttccctacg 120
 aggccaacga ggagatgctt cgcgacgcct tcgggtacta cggcaccatc gtctacgtca 180
 aggcgattaa tgatcatgct gtcaaaggca agtggttatgg ttttgttact ttcactcacc 240
 ccagagctgc tgagcaagca attgcgggca tggacggcaa gaaattaggc aaccgtattg 300
 ttcgagtaaa tgaagtgcgt acaagaggcc cccgcgattg tggccgagat ggtttcagac 360
 gagatccaag aaagtatggt cgagatccat act 393

<210> 22163
 <211> 366
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-B10

 <400> 22163

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 gtcgcgctgg tcctcgtggc cacggccata gccgccgctc ccggcggttg gtttgtcgtc 120
 accggccgca tctactgcga caactgccgc gccgggttcg agacaaacgt gtcccacgcc 180
 atccaaggcg cgacgggtgga gatggagtgc cgccacttcg agtcgcagca ggtccacgac 240
 aaggcggagg cgacgacggg ccccgggcggc tggtagagga tggagatcag cggcgaccac 300
 caagacgaga tctgcgacgt gcgcctgctc aagagccccg aggcggactg cgccgagatc 360
 gaccac 366

<210> 22164
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-B11

 <400> 22164

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acagaacaaa cccatcaacc atggcgaact cggcgtcggg gatggccgtg agcgacgagt 120
gcaagctcaa gttccaggag ctcaagtcga agcgaagctt ccggttcac acgttcaaga 180
tcaacgagca gacgcagcag gtggtggtgg acaggctggg gcagccgggc gacacctacg 240
acgacttcac cggctccatg cccgagagcg agtgccgcta cgccgtcttc gacttcgact 300
tcaccaccga cgagaactgc cagaagagca agatcttgtt catctcctgg tccccggaca 360
cctcgagggt caggagcaag atgctgtacg cgagc 395

<210> 22165
<211> 390
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-033-Q1-K1-B12
<400> 22165

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tccgccgtca tgctgtgctt ggagacttgg tacttccaga tcatcgtgct catcgccggc 120
ctgctcaaga acccgagct ctctctcgac tccctctcca tatgcatgaa cgtgaacgca 180
tggtgtttca tgatctccgt cgggttcaac gcccgggcga gcggtcgggt cgggaacgag 240
ctcggcgcg gcaacccgag ggcggcgcg ttctcgggtc tcatggtgac gtcgctgtcg 300
ttcatcgcg cgacggtgtg tgccgtcgtc gtgctgtgcc ttcgcgacca gctgagctac 360
ttcttactg gcggcgaagc cgtggcgcg 390

<210> 22166
<211> 424
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-K1-B2
<400> 22166

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gccgcgtcag gagggttcgc gctgacctt ctcgctgct gcagcctcat catgctggcg 120

gcggcgctctg gcggcgggcgg cgtggacgac gacggcgctcg gtgggtgacag gctgatgatg 180
gaccggttcc tcagctggca ggcgacgtac aaccggtcgt acccgacggc ggaggagagg 240
cagcggcggt tccaggtgta ccgncgcaac attgagcaca tcgaggccac caaccgggcg 300
ggcaacctga cgtacacgct cggcgagaac cagtctgccg acctcacgga ggaggagttc 360
ctggacctgt acaccatgaa ggggatgccc gtccgncgtg acgccggcaa gaaagcggcc 420
aacg 424

<210> 22167
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-H7

<400> 22167

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gccactgtta aggetattga ttattatact cgggtggctgc tgctaattgtt ggacgtaggg 120
ataaggattc tgtttatact gaggtgtata cggaggttcc taataagaag ggtgggggatg 180
ctaagcggta tacttatgat gattgactgt cgtctgtacc gtagggcttc tccgtcgtat 240
tcatctcgta gccgtcgatg aaagaagacc cgagtaaaac gcacccctagc gacctaaga 300
cgaccgatac taacggacac gtacgtccct cgatgagaat cggtcattt ggtgaagacg 360
gccccgagac tctcgcttg ctagaaaacg tagcggactc cgtagaagtt acttcaaaga 420
gactggaaaag taaggcg 437

<210> 22168
<211> 293
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-F8

<400> 22168

ggcttggaa ctttgggctg atttatgtgc ttgttagatg tggctctggat ctgaaccccc 60
cctccactag tgtaaaactct acagtatacg ggggggacgt caaacagggt caatggcagt 120
acacttcgcc tccccacaaa ggatactatc tgatccgtga acgcaacatc agagtaagcg 180

gtcccagacg ttaagataac acgcggacga tcgtaagagg catagaagaa cctggattcc 240
 cacccaaacg atctccgata tagctcaggc tgaagcccat ctctgttata gtc 293

<210> 22169
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-F9

<400> 22169

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 taatcatagg gttctgatcc ggtgcaatga ggggtggtga tgctctatca tatgtggagg 180
 gctcgggggtg agagatcata aggtatccta gaggtctgta ggattaagta agcggatttc 240
 ggatcatcca gaatgagtag atacttgtag cgtcaaggat gacgactttg gtttactaga 300
 ctccctgatg tttagtaaaa gatgagagct gatacgaccg cgaccacaca acagacgact 360
 cgtccgctcg gcgagttggc gtccgtac 388

<210> 22170
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-G10

<400> 22170

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 gttcttttcta ttaaacaagg ctttggttgc ctttgatacc tatagggggg ataggaaact 120
 agtggttacg gttctgacct tggatgatgat tcctgttgct actccacttg cttctcctcg 180
 cgttgtggtc ggtattgttg ctgataatga ttcttttgat catgctactt agggttgtgc 240
 tcatcgatgat attcgttgtg ttgggcctgc gattaacgct attgagcata ctgtgggtgt 300
 taaggcgagg tcggagcgta agtatcctgg tattggtaag tctgagtgtc ttactgatgg 360
 ggcgattgat gtgaatggta tgcatatgac tgagtct 397

<210> 22171

<211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-G11

 <400> 22171

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 ttgcccatac tgtggtcgat tatgtaggcc ccaatatact cgacacggat ttaatcacac 120
 accgcacctt caccaactcg atacctatca agtcaaccgc gccccctta aacaaaataa 180
 atataatacc ctctccaca aaatgtatac cccaatgttg cttgtctcag acgactcaag 240
 tccatgcatg tacgtacgtg atacaccatt atctccacac tgctattcaa acctaacata 300
 actgttgggt acacataata cgcctatcat caaaatttct ttccaattta atcca 355

<210> 22172
 <211> 448
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-G12

 <400> 22172

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 tgcgggtaaa atacggtcgc gaacgcgagt gattacgcgg ctgccgacgt aggtataagc 120
 cgtgacggcc gcggtgccgc ttcctccggc gagtgggtga cggcgtggct tctttaaagc 180
 ttttttcggt aagaatacta tggttattca cggttaaggat cggccagatg tcaaagtaat 240
 acggcacggt aagttgatgg gcgttggtt tgatgataac ggcggtgggtc gtgggcataa 300
 ggatgcgaat aagttttttc ctaacagtac ggtgtgctg ggtaatactt ttactcctaa 360
 ggacggctcg ggccgcgggc ttcgtcctga gactaagcgt gacaagtccg cggagcgtct 420
 tggtaagttt gcggcggcgt atactatg 448

<210> 22173
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-G2

<400> 22173

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tctaaccgat ctctgaccat ttatttcccc ctgtccatcc tctttgttct tctctttctt 180

tctgttttcc taatgatata atttctactc taacttttgc gtacgatctg atctttcctt 240

tctactctac tcattct 257

<210> 22174

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-G3

<400> 22174

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gctaaagggt actgacgtga aagtgccttg gttcggcggg cttcctgata ctattaagcc 120

gggtgttctt ggtaacggta agatagatag tatgaaggtc gcgtaggagg tacgggtact 180

ggtacgtggt ggtatcggga agtagataac ttctacattt aagggcgatc cttccgctgg 240

ataatctaata cctatagggt tccgtaaggg tgatgcgatt acttaggcgg acggtaactc 300

gtcggtgatt atggattcaa gttagcataa ggattacggc aaccggactg agacctcatg 360

tgcggaacaat tcggcta 377

<210> 22175

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-E1-G5

<400> 22175

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tctcgtacac ttgcgctctc tcggaaggag agagtctcat ngtgttgatg gtagtagttg 120

gctggcgtag cgctgtgctg cttacgagga cgttgggtgc gagagcggcg atcgtgagcg 180

tggaatccg ggaagtgatg ttgatgtgtc gggggcagag tagaagggtg tggtcttggt 240

ggttacggat gcgaaaattg gcggagcgga gggaatcggt gtcgttgccg tgggcggat 300
 cttcgcgtgg ttgacacggg agaggagggc gtcgacgggt gctaagcggt agtcgttggt 360
 gcctagtggg acggcatctc atgatgagag tggttggttg gcgcgtatcg gtgcctggga 420
 tagagtctgc gattaggaga aatacgt 447

<210> 22176

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-G6

<400> 22176

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 gtattactag aagtcgctaa taaataaaaa tactactact cgatgaccag tagttaaag 180
 tacgcttcgt ctgctctccg gcgctagatg tggccccgcc tattgcttgc tgcggatgct 240
 tcgtctagcg ggtgacttag gggagaaggg tatgaatttg tggttgttaa atacgggttg 300
 tacgagtgtg ctgctgaatc cgtgttagca gcagcgattt gcgcgggccg gtccgtccag 360
 gagtacttgg aggtcggatg gttctataac tcgcgttgat tttgctctga cgcttgagtt 420
 tcggcctcag actgtgag 438

<210> 22177

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-G7

<400> 22177

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 gatcggttac gcggtcagcc tgccgcgtat gtaggcttag aaaacatagg ccacgactgc 120
 ataaaatcca ctactactcc tcttgactta ctaataactg ttgagagtga ctgagagaca 180
 aacaaagacg aagaaagcgg tactactgct agttgcctct cctgcgtcag ttccgatgct 240
 agccccggtt ttgtcgacag tagaggtaaa gaagaagaga gctgttggtt ttgttggtga 300

ggagaagaag gcgtaggata atcctcgtct gatgtcgcgt gagggtagga aggggacgga 360
 ttcggcgggcg cgtaaggagc ttcgtgattc tctatagtgt cttaattcgg cgtcgcgcatgg 420
 ttggacttag cgtaagggta agcgtattga gta 453

<210> 22178
 <211> 477
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-G8
 <400> 22178

tggcttggaa cctttgggct gatttatgtg cttgtggatg tgcgggtgga tgtgcggggcg 60
 aatacgcaatt ggcgtaagga tacgtcgact ggggatgcga ttgcgatggt gtttggggat 120
 agttttaata tggacgggtac ttatacgggt gatctacttg ggactattac tattaatatt 180
 gctaccgggtg ctggtgatga tegtactctt actgggttttg ggattcttaa ggcgaatact 240
 attggtgcga ttcgtgggtt cggttatggt actagtactg gaagtccagg gtggcataag 300
 gatgagaagg atgctatgga tactaatgct aaggaccgta tctccaagaa gatgacgcct 360
 ggtgcttgta ctaagggtgca tgaggatggt gttcntgcgt ctattgctct taagacttat 420
 catgagaaca ctaagacgga ggatctagtt aattttactc ctactgatac gaagcat 477

<210> 22179
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-G9
 <400> 22179

tggaaccttt gggctgattt atgtgcttgg ttataatata tctattaataa tccagctccc 60
 cctcctgcct tcatcttccc atcttgaggc gccacaaaa catgagtaag ttttattatt 120
 atttcaacaa caccgccgca tatcatacta ctacctctct atatccaatt attaaaatga 180
 ctcaacgaat aatccccctcc cacagatatt tccccctcca ttatctactc caaatgtcgc 240
 tcccatttac tcgacaaaacg a 261

<210> 22180
<211> 167
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-H1

<400> 22180

acgcataggg ggatatttgc tctatgagag cgtaggagta tagatgagcg gataggtaat 60
attgtgaaga gtgtgtgtgg ttagtgctgc ttgatgtata gagtattgta ttatatatcg 120
tagtatatat tatagtagta gtattgtatt gtgaacgttg tacgata 167

<210> 22181
<211> 175
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-H12

<400> 22181

cgctgggtat tctctaactc aagccctata catagccttg ggtaggatac tcgataggat 60
cgttggaggt tttgggatgt ttaatatgac gtactatacg tgatctactg gatatgacta 120
tatattgtac cggtgcgga tgacgactct actggtttgg atctaagcga ataca 175

<210> 22182
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-H3

<400> 22182

aaacttagta gattgatgtg aattgagaaa aactttatga aactctgcgg ttgtggtgat 60
tggaagaaga ggatgatgat ggatggagtg gtgacggtgc gttttgtatc cgtttcttgt 120
ctttcgtctt cttttgattt gtcattattgt tccttggttg tgggtgttatt cgcccggaga 180
gtgctttgtg gcggttggtg cttgtattct tgctgctgctc ttggtggtgg ggggtggcgag 240
tttgggtagt tgttgtaaga agtcgctct gaggttacac ttaagacagt aaggctcaaa 300
ggaagggccg tatctataat aaacacggct acgggcggca tcgcatcga tgacgtaagc 360

gacgaacggt ccgcctcgga ctagaaggca aaccttcatt ttatagacag aggacccata 420
gtaaccggta tc 432

<210> 22183
<211> 211
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-E1-H4

<400> 22183

tggcttggga cttttggctt gattttatttg cttgtttatg tgcttgacta taggtcattt 60
tagcgacggg gccggcgctn taataaacgg tcgggcggtg gaaataagtc aaaaatacgc 120
aatatacggtt accgctacat cgattttccaa acccatatat tactatcaca ctcgccagca 180
ttaatcatatc gttccccctt cgagaactaa c 211

<210> 22184
<211> 355
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-E1-F6

<400> 22184

tgcttgaaaa aaaaaaaaaa aaaaaacaaa aaaaaccacc cccccncaa aaaaaaaaaa 60
aaacaccgtg ggacccaaaa aacaaagagg gcgacaaaaa aaaaaagggg tggttgcccc 120
aaagaactaa agcccatcaa tttgcgtacg taatccaaaa gtctccccac agcgctattc 180
aaaccaaacc tatcggttgt tgcccaaaaa tgctcgaatc ggaaaaattc cggtgccatt 240
aaatcaaact gtcccgaaaa aaacttttcc cctgttagcc ggtcaaaaaa taaaaaggtt 300
tgaattaact gttcccttaa ataccggtt aattcgaacg gtaaacggaa ttttt 355

<210> 22185
<211> 283
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-033-Q1-E1-H5

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<400> 22185

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taaggattcg tggtcntagg atccgttgag tctgcgtgt attatggact tgaatgatgc 180
tacgtctaata cctcctactt atgagatgga gggtagctg taggtgctgg tggcggctac 240
taatattcct gatgagtctg atgtgatgac gtctgtcgtt acg 283

<210> 22186

<211> 164

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-E1-H6

<400> 22186

cttatcctcc ctacagagtct ggttcataac ctctccgctc tcccattata agtggtcgtg 60
gtactactng tcatccttat cattattatt ctcatcagt ctgcacggct ttttctaaga 120
atgatgagta gtctatggat tggcattcag atattactcc tcat 164

<210> 22187

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-E12

<400> 22187

ggttggaacc tttgggctga tttatgtgct tgtcctgata ctgagactga tggtaagtcc 60
gtaggttgga ctgcgtcggg atcgccgggg gatattgcct tcaaaatcgt agagaatcct 120
tgagtatccc gtatagggga gaaaggaacc gttaagcttg gtaagttctc gcggcataag 180
gggctgatgc cttataggac tactttgggg cctacgactt agggaggtga tcctattaat 240
ggtaatggta tgggggggtga gcttactcat ggtagtatta ctctcttga tgagaatcct 300
aagtatattt atgtcaaagt tggcatgtcg cttacggtca atcatgggtt tgatcttaac 360
ggtctttagc ctctactat tattgcagat gaaaattggc cgtttaagaa gtcggatggg 420

tgttatgcgg cgcttggtaa ggcggcg

447

<210> 22188

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-E2

<400> 22188

atgaacatcc atcagttatg aacattcgcg aaaatagtaa aataaaaaac ggggtattgtc 60

cgttaccaca tacggaaatc ctgcaaccct ccaggaacgc tatgcggtct gactgagggtt 120

aagttacgca tgcataagcc gactaatcac ccacgtacgt cgtcgtacgc tctacacatg 180

aaggatttac ttctctgttg cttagtttcg ggcctttctg cgctttcggg acacataggg 240

gtggttgtct cagaggactt aagt 264

<210> 22189

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-E3

<400> 22189

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gttcgtgtgg actgtcttat gttgggtggag gatgagtaat agtagaagtg tttgctctct 120

cctctgttgc attagacgtt ttgtccttgt tctatttatt gggcggcgtc ggtgttgacg 180

attaggcgta ggggtgttga tgtgacttta ggttttgtgt ctgtggagca tcatgtgtag 240

tggcctatgg aggggtggcc gtctactctt gaggggatta ctactctgtt gcttggtttc 300

gggcctttct gccgtttcgg gacacataac tcagaataga tcgacgtacg gaggaaaggg 360

gatgacgtcg tctacg 376

<210> 22190

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-E5

<400> 22190

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tcctttaatc tgcggcgac ggatcctgcg agataatggg gaggcgcttg gggctatgtc 120

gtctaattctt aagcctcctt atacgaatac gcattggcgt aaggatacgt cgactaagga 180

tgcgattgcg atgggtgtttg gggatagttt taatatggac ggtacttata cgggtgatct 240

acttgggact atgactatta atattgctac cggtgctggc gatgatcgta ctcttactgg 300

ttttgggatt cttaaggcga atactattgg tgcgattcgt ggtttcggtt atggtagtag 360

tactggtagt tcagggtggc ataaggatga gaaggatgct atggatacta atgctaagga 420

ccgtatctcc aagaagatga cgctgggtgc ttgtactaag gtgca 465

<210> 22191

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-E6

<400> 22191

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actcgatttt ctttcttaaa cttcgcccga tgtttctctt aaactacgtc agttgaaatg 120

ttttcttcta aactcgagta ctaaactgat cttctactcc ttcgaaatta cttatcttct 180

ttcaaacttc tctagactaa acgttttcct ctaaacacgg agggtcggag gatgagcgaa 240

ctgaaagaag aggttgaggg ggcgaccggg acccctcct ccaccccggtt aaacataaac 300

tagtcatccg tcaaatgaca cccgtctcgg acaactcaaa gcaatgatga gtaaacacaa 360

gactggcgga ctctagaaaa aggaacaac cgacgagaag gactccttat aataaataaa 420

aaactaaaag ggcttaactc taaaggaaac gcaaaaaatg acgaac 466

<210> 22192

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-E7

<400> 22192

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 acgcattagt agttgcatgg atagttggcg catgtgctgt tgcattggta gttgttggtg 180
 ttattggtga cgcatttgtt gttgcatgtg tagttgttgt tcttggtatt atggaagatt 240
 ggtgtactgc ctgtggaagg acgtcgcgta gggcccggtg taactcgccg tcgtcggtct 300
 acggatgtgc gtcctcgact gcgcggctga ttataagttt aagaaatgat gtccttctt 360
 cggttcgggc tagggcggtt actagtggg agtcgagact aattattgtg ccgagtagtc 420
 ggcggcagtt cgggtgttgc cgtactcccg tattgggaat gaagt 465

<210> 22193
 <211> 177
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-E8

 <400> 22193

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 ccaccatn ttcctccacc cttctcgctg ngcaccccca caattggctg gcgactcata 120
 agaatcaatt aaacatccca cctaccacc catcgaccgc catgttcacc caaaccc 177

<210> 22194
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-E9

 <400> 22194

ggcttggaac ctttgggctg atttatgtgc ttggcctcct ctttctaacc ttaccgtaag 60
 taataggagg agaaaaaata aggagtgaga gtggcgatc gatgtgtata aggtaaaatt 120
 taactggagt tgcggattgg gttggagaca gggctctgagg ttacggtaag tggaggtag 180
 ggtgtaggga gtggtgagct tttatttgtc gttctagcgg aggtggtagt gggggagggtg 240
 atgtcgata cttggcggtg gaatggctc aagcctatgg cgtagatgga ttcgggtgtt 300
 atggcgggtg ggcctaagga ggctgcagtt gggagtcgtg atgcgttggt gttgtagtag 360

tgctcgactc ataagggttg tacttctaag gatgagtaaa tttcagaaaag tcatgggtgcc 420
gagatagact atataaccta tccggcgtgc 450

<210> 22195
<211> 297
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-F1

<400> 22195

gggaaggggc cggtcccaag gattagggga aaaaaaaagg ttcgaaatct aagaccaaag 60
gcggcaacta ctattctaag aagtcgacta acggagtatc tgtaagtata gcgctaagaa 120
tccgcgccgt attccccgag atgactagaa tgtacccgac ggccgggagc aacgggaacc 180
tgctgatcga ggcgcccttag ctactacga agtacgaggg acggatcggg ccgccttgcg 240
gcaatcccgc caacgctact tgggcagttt ttagtaaggt aactgagtcc cccgtcc 297

<210> 22196
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-F10

<400> 22196

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gtgccgtctt ttctggtagt tgaggcggta gaagtattac gtcggttggt cgagaggtct 120
cctaagtagt aataccatcc ttagaatccg attaagtata ttcattcgaa aggtgtcct 180
gatgcgacta ttcttgctgt tactttttcc gtatctgtcg ttcttagtac gcctacgacc 240
gggtgcggag ccataatac gctctacggg gccgggaaga aagagcgact ccttatcggc 300
caatcaccgc cctcgccggg tacggaagct acattgctga gatcgtgaag cttctcctgt 360
ccgtaaaaca acatgggttaa acaataacct gatcataccc ctgtaactaa ccctcgcccg 420
caccgcggg cgccaagcgg tagcaatccg 450

<210> 22197
<211> 444

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-F11
 <400> 22197

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 tatacgggtac ttgttgccct gtcctcttct ctgtttttgt gttcgtctta ttgtgatggt 180
 atactttggt cttctagtag tttgtactgg tgggcttctt ctgttggttt taataatgtg 240
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 gttgcggagg tgtttgattg ttctgcgggt gtggctgttc attcacattt gccttctgat 360
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 ttgtcgggtt ttgtggtctg gtct 444

<210> 22198
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-F12
 <400> 22198

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 aacggagctg ctatgtacgc cttagttggt tgctacttcg tcctcttcgt ctaccgcgct 180
 tattgacacg gtataggtaa gggaacgtga gaagcatagc gagtgacccg ccgggggtacg 240
 tacgactgta gataatcgtg ttaacgcccg ttgtggcgag ggtcctccgg ttggtaggcg 300
 tagtattcct tgttgttgtc gtactcgtat caggtagcgt caaataagac tgtctgactg 360
 tctgctacgt accgataatt cacctccaac aatgcctacc actctgcctc caccacgat 420
 caacgcta 428

<210> 22199
 <211> 445

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-F2

 <400> 22199

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 ccccttctcc taagtcccc gaatttagag gttaaattat ttcctaaagg cacaacgtaa 180
 ggtccgaagc acgataagaa cccgctagac ctgctatttc ggaggcggtc acgccgaacc 240
 gtatgatttt taaagacggg actaagccta atcgctccga cggtcgtagc tttagtccta 300
 ctccgatctg gactcccttt aacttagaag cggacactgt acagactggg attattccca 360
 gcataggctg ctcgtagaat cacgcacgaa ctctatagc agaaccatt acaactagac 420
 cccggtggcg taatcggtcc aaaac 445

<210> 22200
 <211> 268
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-F3

 <400> 22200

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 tccccaaagag cgagagcggg ggtatggctg tcgtaaactt tcgggtcctc taagagacag 120
 ctacggacgg agtaagtgt ggagaaattc ttcctagga tatgaaaagt gaggtaggtg 180
 ctgatgctgg tgggggtgat cttttattgc tttttgttat ttgttggtg agatgggtatt 240
 gtctctgggg tcttggaat ctacttac 268

<210> 22201
 <211> 363
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-F4

 <400> 22201

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 ataggcggat tccgtttggt gatggtgcgg attcgatgta taatgcgatg gcgtttaagc 180
 cgatggcgga gacggttggc ggtgtgaggt cagagttgga agttaagagt gcggcgacgt 240
 tggaagcagc gtttggggcg gtgcgttcgg ttcccaggaa gtcggttggt ggaggggttcg 300
 ggactccggg taatgcgtct acgtaagagc atactcgga gactgattat ngaaagggga 360
 aga 363

<210> 22202
 <211> 297
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-F5
 <400> 22202

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 cgcgtagagtc cgatcgacct gagcatcgtc ataagcgaat tccgttttat gatcgccga 120
 attctatgta taatccgata gactttaacc cgatggctga gaccgtaga aatgtcagct 180
 cagaatttga aattaaaagt acgtccacat tctaggcagc gtttctctcg attcgttctg 240
 ttcccatgaa gtcgtagatg ggaggggttc tgactcctg taatcgtct accta 297

<210> 22203
 <211> 479
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-E11
 <400> 22203

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 gtgtcagtgc tgctcccgt accgttgtct cttctcctgc tgttacggct gcagtattga 180
 cggttgaggt aaagcttggt gacgttttcg cggtcgatgt gttagttgac ggattcagt 240
 gggttggtcgt cgtattcggg ttttagggcg ctgaagggtc gctaggtaac gaggacgatg 300

acgacgatct tattaaccga ggttatatat gctggtttgg ccaaaccgg aataagatac 360
 ggaagaaaaa cgagagtaac gctcccaaaa ttacgacaac gcgcggctac ttatctactt 420
 acggacatac ttccgtctct ttctccccct ccctcgccgg acccctaacg cgccactac 479

<210> 22204
 <211> 184
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-C7

<400> 22204

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 cacc 184

<210> 22205
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-C8

<400> 22205

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 ctagtggtta cggttctgac cttgggtgatg attcctgttg ctactccact tgcttctctc 180
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 gctcatcgty atattcgtyt tggtgggcct gcgattaacg ctattgagca tactgtgggt 300
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 ggggcgatty atgtgaatgg tatgcatatg actgagtct 399

<210> 22206
 <211> 402
 <212> DNA
 <213> Zea mays

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 acgacgagat tcggaacttc gcgattgcga cggtagtggt agatggtcag gtgaggtgtt 180
 tcttaactta agaatgggaa atttgcgctg ttcgccggca tgtgggtaga agactgggcc 240
 tgttaccctt aagtccggcg ttctgttggt cgggctctct gctctgggtc ttgaagtgtt 300
 ttgtgtcggc tcaccagggc aaccggcct agctcacctg gacncacgaa accctggggc 360
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<210> 22209

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-D11

<400> 22209

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 caattcaata aaataaatTT ctacatactc gtggggcaca caccactaac tggctcaaac 120
 acccagtcac ctatcctttt attcatcgca taacataaca ccataatcaa cataaaacga 180
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 acttctcgac cacctctcac atatcaccca tactaactac ttaactata gcacgtacat 300
 acactctatt atctcactcc atcactcctg tacacctatg ctaattcacc acaatatatc 360
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<210> 22210

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-D12

<400> 22210

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 aacaaacagc ctgcgaactt tcgaggtggg tacacacaca ctttcgttaa gacaaaggca 120
 acggagctgc tatgtaggcc ttagttgggt gctacttcgt cctcttcgtc taccgcgctt 180

attgacacgg tataggtaag ggaacgtgag aagcatagcg agtgacccgc cggggtacgt 240
 acgactgtag ataatcgtgt taacgcgcgt tgtggcgagg gtcctccggt tggtaggcgt 300
 agtattcctt gttgttgctg tactcgtatc aggtagcgtc aaataagact gtctgactgt 360
 ctgttacgta ctgataattc acctccaaca atgcctacca ctctgcctcc acccagatg 420
 aacgctacgc acgcctcggc gatcgctacg cacacctcga cgatcgctac gcactccg 478

<210> 22211
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-D2
 <400> 22211

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 actcgttaag ttctgttgct gcgctcgtgtg ttgtgtctag ctatgccttc gaagagtgtg 180
 aagtcgtaga ggagagctct aattagcctt agcctatatt atagtacccg gcgagaccgc 240
 catagactac cgctgacgga agccgcgaca cggtcgcaag ataggccgta agtacctacc 300
 ctaagaaccc caccgtgaan aatccgctat ctaacgactt aaacgagct 349

<210> 22212
 <211> 404
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-D3
 <400> 22212

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 ggaagaagta agacgaagga gtctctttgt cactcttccg ttcaagtttc aagtacgggt 180
 accggttgct gtcgctggtt tttaagtaga tgattttgtc gagttttatg tagacgatgt 240
 gagagtatga tttgctgttt tttcattgtt cgtattataa aaatatgagg aagagttttg 300

ttgttacttt ggtcagtcgt acggttacgt tgatggttct taatagtagt acgttagtac 360
ggcgggagta natctagggt ctagggttgc gcaccacgt catg 404

<210> 22213
<211> 183
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-D4

<400> 22213

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cacggctaac gagaaaacgg cactaagcta atttgtatgc cgctcgttta ttaagggact 120
aaagtatccg ccatcgacaa agaccagcga aaaagcgttt tccatcacca cacatccgaa 180
ccg 183

<210> 22214
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-D5

<400> 22214

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acgtcatgag gcgagacgta aggaaaaatt cgagcgtctg ggtaacttcg ctatggcgcc 180
tactatagat acgaatcatg agttcactgt ctttcattat cctgatccga gtggttaagg 240
tcctgggtctt tcggtaaagt ttgggtctaa tgataagtcc tgttatcgtg gtactacgga 300
tgctgagcct agaagggcgt ggcgtaagca ttttgtcggg tagaagactg cgccttatac 360
tgagaaagggt cgtaatttta atcattcggt tgcgtc 396

<210> 22215
<211> 466
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-D6

CCAGGCTAAC

<400> 22215

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gcattgcgct tcggaggcta tttcggcgct ggtaaacgat tctaagaaag cgctgtctcc 180

tctttggatc tgtactcatg ttgcggtcct tactcttggga cctgattctt gtactttcct 240

ttatagtatt taagtagatt atagtaatgg tcgtaatttt cgtcggaatg ttgcggcata 300

tccttttact ttgggtcggtg tcgatatttg tggttctgta tcttatgcga ggtcttgtgt 360

ttagtgtca cattcgggtg actgtgatac tggtgaggcg cccgcgttta ctgatgattc 420

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<210> 22216

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-D7

<400> 22216

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ggcgatttgg acgtctggta atgggtggcg tgaggttatt cgtgcggatg gtatgtgttg 180

ttctcgttac acttggggta agacgtataa gaaggcgcgg actgtgggtg gggatactgc 240

ttctgctggt tcttgtgatc attaggatga taaggttgat gctacttcta agcatacgaa 300

tgatgagggtg tggtcgtcta aggttcatgg ggagtccttt gagatgtcta ggtctaata 360

gggtgctgat gctgacgggt ttgaggaggg tgaggagaat ggtgatcata atcataccta 420

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<210> 22217

<211> 268

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-D8

<400> 22217

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 gtcggcatag gacggagact agtgggtgatt attaggatga gactcgtgat gcgtgttcgt 360
 ctaagagttt tgaggtggat cgtgttgaga ctgattatct ttgtgatt 408

<210> 22222
 <211> 244
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B12

<400> 22222

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 cgctagaatt tgggtctctc gatctctcta cacgtacgaa tggaattacg gcgctacgac 180
 tctgctgcta tttgggtagt ggtgctggaa tgagtcggtg taatttaggt gtggctctgg 240
 tcac 244

<210> 22223
 <211> 332
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B2

<400> 22223

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 cggtggtggt gctcgggtggt ggtgggtgcgg atgatgatgg tgctggcggc gataggtcga 180
 cgacggattg gccttctagt cggtaggtga tgcataattg gctgcatttg atggtggaag 240
 agaggtagtg gtggccttag gcgcattgtt gtaataccga gtatactgag gttattaatt 300
 gggtaggtaa ttcgatgcat atgtctggtg ag 332

<210> 22224
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B3

<400> 22224

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tatctagtag tcaactagtt ctgcgacgacg aaccacaccc taaaagagtc ttttcggcgt 240
ctacgccagt aagataacac ccccttcacg gtcaccccg cgtattaaat tatttaagaa 300
acacgcgacg tcatacgctt tcttcgacgt tccgcgcgc cgggccgaca ccaccataca 360
aatcaaaca accaccacc caagaccca aaaaaaaaaa aaaaagggtg gttgtctcag 420
aggacttaag tccatgcatg tgcgtacgtg atgct 455

<210> 22225

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B5

<400> 22225

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accttttgcc gtcgtaccag ggtacgtttt tgctacgcag tagcaccga ctgctcctcg 180
tcctacgggc ttatacttcg gcactccac cttacaacga cacacacacc aaccaataaa 240
tcaaaatacg caccacccc agggggccgc tgattggacg agtccgtctc ggteggcgta 300
cggacggaag aagtgggact agtcgatgtt gctgaatccg tcgtctacta gagataaggc 360
tgtgtctggt agtatatt 377

<210> 22226

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B7

<400> 22226

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 gataagacgg tacgtataaa taacgtgagg agagttccgc cttcttcggc ttctcctcgt 120
 actgcgtacg gcgagaagga agagctaaag ggtactgacg tgaaagtgct tgggttcggc 180
 gggcttcctg atactattaa gccgggtgtt cttggtaacg gtaagataga tagtatgaag 240
 gtgcgctagg aagtacgggt actggtgctg ggtggtatcg ggaagtagat aacttctaca 300
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<210> 22227
 <211> 383
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-B8
 <400> 22227

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 tacgcctcgt cctcggactt agactcggag aaactgtgaa gctgctgctg cctggcctgg 360
 agtggactcg aggtgatgac aga 383

<210> 22228
 <211> 379
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-B9
 <400> 22228

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 ctgggcctta ggaggcgggg gtgatgcgcg cgggggtggtg atttcctgtt ggtgtggtct 180

ggttctggtg gtacttcggt ggtagcgagt gtggtgcctg cacgctatcc ttgggtgccg 240
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 aactcggcgt gtgcggggc 379

<210> 22229
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-C1
 <400> 22229

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 aagagagacg gaccttctta ttctggtggt ggtggtaggg gaggtggttg cgttggttga 180
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 ccgtaagcgc tttaccgct gttgttccac aaactcatcg gcgttcgctc taccactagg 360
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<210> 22230
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-C10
 <400> 22230

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 ataatacaac cgaataatag ttttaagttgc aaagtcccc tagcctagga caagtctcgg 180
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 gacgtcccgg aggtagccag ggagtcgct agcggcgacg ggtaggtaaa gaaaggatgg 360

aaagggtaaa atgaagcttt ctccttcttg ggcgcgtact ataggctcgac gataagtttt 420
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<210> 22231
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-C12
 <400> 22231

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 ttcggtcaga gtcagtttgt ttgttggtta tatggactgg actctcttac ttatctttag 420
 tcgcaaccgg cccttgctgt acccaaccgg cccggaccgg aaaa 464

<210> 22232
 <211> 391
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-C2
 <400> 22232

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 aaaaaggaag cgcggaaaaa acgataagaa gacaccggaa tactaaccgg aaagagacga 240
 cagaagtggg agcctacccc ggctacggca ccaagaaacg gaactttaa acggttttcc 300
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9639

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391

<210> 22233
 <211> 420
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-C3
 <400> 22233

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 ggcgaggggac gctacagggg actgcggatc ataagccgcc gtatagattc gtaagaaacc 240
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<210> 22234
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-033-Q1-E1-C4
 <400> 22234

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 gtggcgtttt gtccttgatt tatggaacaa gcaaaacaat gccaaaagca gcggcaccct 360
 atccgtgttt ggaggtcttt atccacttca tattctctaa gctaccctat aaagctggat 420
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<210> 22235
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-033-Q1-E1-C5

<400> 22235

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taagcccgac cactctcccc cagccgcaac tctgcgacce ttcctcccc cccaaaaaaa 420
aaccactcc cccg 434
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<210> 22236
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-B10

<400> 22236

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gagcgttgtc atgttgctcc tgatcctgat cctattattg atgagaatcg ttagaagagt 360
aagactccgc ctactcttcg gcctttggat a 391
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<210> 22237
 <211> 427
 <212> DNA

<223> Clone ID: LIB3066-032-Q1-K1-H5

<400> 22239

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<210> 22240

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H6

<400> 22240

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tttcttatta ttgcatgcac gtttatataa gtgctcattg tcttgctgtt gtaagtgcc 180

gcacaagcat atatacggcg tttatatata ctacatactc cgatcgttca aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaagaaaaag 300

aagagaccct tgaccaaag aaaaaaagaa aa 332

<210> 22241

<211> 366

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-H7

<400> 22241

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gccgtccaga agttgatcag gttcgccgcc aggatgccga tgggtggtcat cagctggaac 120

ccgatgttga ccagtgcgtg tgctcatccg tgcacgccgg caatggtgtc ctccgcccgt 180

gcgctcatcg gcctcctcgt cgccgcggcc tccctcgccg tcgcgctctc ggatggcggc 240

gggatggcgg cgctgtgtga cgggtacgcg gcggggagcc ccaacgggcc ggagaactgg 300

gggaagctga gccccgcgta caagctgtgc ggngagggga agcagcagtc cccgatcgac 360

atcgtc

366

<210> 22242
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H8

<400> 22242

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ccttttagcg ctcttctgtg tctgtcatgg tgagaaggca aagtcaaagg acaacgatgc 120
aaaagcgctc gggcccggtg ggtccttcga catcaccaag ttgggcgctt ccggcaatgg 180
caagacggat agcacgaagg ctgtgcagga ggctgtggca tcagcgtgcy gcggcaccgg 240
gaagcagacg atcctcatcc ccaagggcga ctctctctgc ggaccactca acttcacagg 300
cccatgcaag ggcgacgtga ccatccaggt gaatggcaat ctgctggcga ccacggacct 360
aagccagtac aaggatcatg gtaattggat cgagattcta cgcgtggaca accttgatcat 420
caccgggcag gggaaagctc ga 442

<210> 22243
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H9

<400> 22243

agaacgcctc cgtagagttc ttcgatatca ctggtctctg caacgactca tccaactacg 60
gggagatcga taccgacgag cagatcggac accgcgcact atttctgcag gaccgcacgc 120
atatgatcat gtaccagatc cttgtgtgga cgctcatacg gctggagcta ggcataaact 180
ggactggcta catgtaggat caatacgcca tgggcatcga gctgatagag tacgtgcacc 240
gtgccgagct tacgatagct ggtgggcccga ttgagtggct ggaccacatc gagatctacc 300
cgggtggccta gcagtaggca gggatgtgcy tcacggcaac cgaatacatg tacttca 357

<210> 22244
<211> 230
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-E1-A1

<400> 22244

gatctgtatg gtgattgtaa gatcgataat taggttcagt gagcgcgatn gactcgattg 60

tttgactggc tcgaatttcg ataatttgca taagcctgac gtaatacccg cctaccttcc 120

gcgctgaata cgcgggcga aaaggggaaa cacacacgag tccccccgc accccccggt 180

tagccgcagt cgccatcatt atgcaaatag catgtaaagc tgcctgtacc 230

<210> 22245

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A10

<400> 22245

ggttggaact ttgggctgtt tatgtgctgc cggtttcttc tattgtgctg cgcttactca 60

gacttaaagt ctctctcgcg gtacgctgta gttacggtga agaatacattt gattgcgagt 120

gttgagcata gtgaggtcgc ggataagggt aggtgtaagt cttgagtttc tactgttgag 180

aagagtcgtg ttttgtctac gtcttgttct gtgcgggtatc ttgtggggat gcctgatgcg 240

ctgctgagga ttggtggctt acctgggtatg acgaagtact agctggaacc ggtctatggt 300

gtcaatgtgg ggtcggatac tgtggcgtgg tcgtctgagt ttactaagga ggagccttta 360

acttccctcc atgttgacct tcattagtct gtgggagccg cggttgcgga ggctattggc 420

gggttcgag 429

<210> 22246

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A11

<400> 22246

ggcttggaac ctttgggctg atttatgtgc ttgtggatgt gcgggtggat gtgcgggtta 60

ctccttcttg ttattacgtc tactgttggg gaggatcatt tctccttctc ttcctctttc 120

catgataatg atgaagaaga acgaatagtc agtagatgca ttggtggttg acctataagc 240
gcatagaaaa tgactgatct tatcttaatc acatacactt catcacggtc nccgtcataa 300
tttgacggac taaaaagtac gtacgtacgc 330

<210> 22249
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A3

<400> 22249

tggacctttg ggctgattta tgtgcttggt tatgtgcttg gccgaatggc aagtcaagtg 60
aggagtccgg gccggcgaat gtaagtttgc atgagaaggg gcggaccact aaggctaagt 120
ctactgacct atgtgagtct agcctgtcta cggacggcga taagcatctg aaacctcgtg 180
aggaagaaga ttgctaccga agaaactaga gggctcctcg aatattaaag attcgcgctc 240
taagtctcac tagcgctcct cggctcggag attcgtcgcg ataaacccaa accgggttagg 300
cctaccgtac ggaacaa 317

<210> 22250
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A5

<400> 22250

tgggctgatt tatgtgcttg tttatgtgct tggtagtgga ggtggttggt aagttcgagc 60
ggggttatgg cgggttgatt gatgtcggtg gtcataataa tcggttgagg gatattgctc 120
ctccttgtagg tgataatggc gggcggagta ttgagcatgg tgatcctcct tcgctgcggc 180
atctgtagac gtcgtcggag tatggtgatt gtacttcgct ggggtgttatg cttgcgcctg 240
gtgtggtggt tgcggaggct cttgcgaagg cggttggtac ttatcggtat catggtagtt 300
ggctttatgt ttttgagtct attgtgggtc atcataatat gtggtgttat gatgggcatt 360

<210> 22251
<211> 128
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-033-Q1-E1-A6

<400> 22251

cataataatg ggttctaata tattgcnct cctgtggcg ataatggcgg gcggagtatt 60

gagcatagt atcctccttc gctgcggcat ctgtagacgt cgtcggagta tggtgattgt 120

acttcgct 128

<210> 22252

<211> 175

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A7

<400> 22252

tagtgcgtagg aagtttaatt accttttctt agacatcttg cgatattatg tgatgcgggg 60

atagattcgc atttgcctgc ttattcttcc tttgatggga tctcgcttac tctgttaat 120

gattgtctta cttcgctga ttttaagaat ggtaggctg cttgtgagcc ttttg 175

<210> 22253

<211> 307

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-E1-A8

<400> 22253

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cttttcttcg tatgtaattc tactcggtcg cgtagactta ggacggttgc ttcttccgag 120

attccgttct tttgagcgtc tctggcgagt catcccgccc tgaccacta agaaacttgc 180

ccgtcctacg ccgcgtaggt ctacactcga ccgtcggacc tggtaaattt gtgccggact 240

tcgcactggc cagcttccgt tcgtaaggac tccgcgccc cgccccggcg gctgagtact 300

gtacgcc 307

<210> 22254

<211> 414

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-H2

 <400> 22254

 cccacgcgtc cgaaaagtta tgggcttcag tttcactgtg cattggatat gtaactttct 60
 ggtgggacta ttttttctgg agcttgtgaa caagtttggg gttggagcag tctatgcagg 120
 ttttggggg gtctccctgc tgacagcact ctttgectac aatttcatag ttgaaacaaa 180
 aggacgttcg cttgaggaaa ttgagatgtc cttgagcagt gctaccctg gcaagcaaga 240
 gtagaacatc tcaattgtat ggacaaactg aacaactgac gggaggaatt taataagagc 300
 agagggggcc taatcccatg aatcttcagc agcagcagtt tggtgcaaac aacatcaact 360
 cctatagata atgagcacia tcaaattcag cttttctttg gtagcatgag aatc 414

<210> 22255
 <211> 324
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-E1-B1

 <400> 22255

 gggaaaatgt aagatttcag tatttttgtt ttgctgttga tggttgttgg agcagagaga 60
 cgggtggcgga tgaagegaat ctggctcatg ctgggtggtc ctttcatgag gttaatgagg 120
 agacgtcctg tgatgttctt gggcatcatg gtattactgc tcttgctaag gcgaccaacg 180
 actacgtcgc taaaggtaag cgccacggcc ccgccatccc tatctatatt agagtcgtcg 240
 agtaagtaac cgtgggtacg gatggtaaga aaccacgtaa ttgcaccgcc tgagcaaacy 300
 aagcgtgcat aagagttttt gtga 324

<210> 22256
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-032-Q1-K1-F9

 <400> 22256

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 gaacatgtac cagtgaaga acatgctgat caaggacgtg accgtgacgg cgcccgggga 120
 cagccccaac acggatggca tccacatggg cgactcatcc gggatcacca tcaccaacac 180
 cgtcattggc gtctgcgacg actgcatctc catcgccctt gggacctgca aggtgaacat 240
 cactggcgtg acctgcggcc cgggccacgg catcagcatc ggcagcctag ggcggtacaa 300
 ggacgagaag gacgtcacgg acatcaacgt caaggattgc actcttaaga agacaatgtt 360
 cggcgtccgc atcaaggcgt acgaggacgc cgncttcgtg ctcaccgtct tcaagatcca 420
 ctacgagaat atcaagat 438

<210> 22257
 <211> 324
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-K1-G1
 <400> 22257

cccacgcgtt cgcccacgcg ttccgccacg cgttcgcgga cgcgtgggtt ttttttttgt 60
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt ttttttttat tttattaatt tatttttata atggttaaatt 180
 gatatttgaa attgagaaag aatggttggt gctgctgaat aaatgtacat tgagattgag 240
 attttgttta aaaatgttta aagttcaaaa taaccgggta ctgatgggag gacaatattg 300
 gagattttta aaaatgctgt aaaa 324

<210> 22258
 <211> 271
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-K1-G10
 <400> 22258

cgtcacgcgt cggctgtcgc atccgcgggt ttccgcgtcc gggcacgcat tccctcacgc 60
 gtgcggggaa ttgtcggcgg gaccaggacc atgccatgac ggaggctgta gaccactagc 120
 gctgctatac ggacagtggc acatagcaaa ttgcatcggg acgtgaacca atctgtagtc 180

gcatggcgac tgcaccttga atacatggtg ccacattatg acatacaacc taggtacgag 240
 cactaacctg gtcttgacgc agaatttgtg g 271

<210> 22259
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G11

<400> 22259

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 agaggtggtt cacggattgc ctttggaagt gagatgtcag gtggcatatc ggaagtacgg 120
 gctgagggcc tccgcattgt caactccctt cacgggatca gaatcaagac ggccccggag 180
 cgcgaggagg acgtggagaa tgtgtacata gcagatgtga gcatggacaa tgtttcgtg 240
 gccatcacga tcaactggaaa ctacggtgaa catcctgatg acaaatatga cagcactgct 300
 ctccctgtga taagcaatat tacaatcaag gatgttgttg gcgttaacat tggggttgct 360
 ggtatattgg aaggcattca gggggacaat ttcagcaaca tttgtctgtc caatgtttcc 420
 ctcaagtgtc aatctgcac 439

<210> 22260
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G2

<400> 22260

ggaccaggta agcagcagca ggaaccctag caccgcccga tccgcagcca tgggtatcga 60
 cctcgttgcc ggtgggagga acaagaagac caagcgcaca gcgccgaagt ccgacgatgt 120
 ttatctcaag ctccctgtca agctctaccg tttcttggtc aggaggacca agagcaactt 180
 caatgctgtc attctcaaga ggctcttcat gagcaaaacc aatcgcccac caatctccat 240
 gcgccgcctt gtcaagttca tggaaggaaa ggagaagaac attgctgtga ttgttggcac 300
 agtcacagat gacaagagga tccaagaggt tccagcaatg aaggttactg ccctgaggtt 360
 caccgagacg gcaagggcca ggattgtcaa tgctggtggg ga 402

9650

<210> 22261
 <211> 334
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-K1-G3

<400> 22261
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 acgttcggct acgtcgggca cggcctcggc gggctcacgc cgtggatcat gttcaggcct 120
 gagaaccaca ccacgcctta cccgccgtgc cgccgggcca agtccatgga gccgtgcatg 180
 cacgggccgc cgttctacga ctgcagggcc aagcacggcg ccgacacggg gaagctgggtg 240
 ccgcacgtcc agcactgcga agacatgagc tggggggtca aacttgtcca tcccagagtga 300
 aacagcaata ataatgaaaa agaatatctt tttt 334

<210> 22262
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-K1-G4
 <400> 22262

ggaacgaaga tggcttgttt attagttcag ttgcctccag ctcaaacctg tgggctttaa 60
 ttatggatgc tggcactggt ttacatctc aagtatacga actttctagt tactttcttc 120
 acaaggaatg gataatggaa cagtgggaga gaaatttcta tatcactgca ctggctgggtg 180
 cgaataatgg aagctctttg gtgattatgt caagaggaac acaatatgcc cagcagtcct 240
 acaaagtaag tgatacatct cctttcaaag ggataaacia aaaatggaag gagggcttct 300
 atgtcactgc tatggcaaca gctggaagcc gatgggcagt tgtcatgtcc cgcaatgctg 360
 gtttcacttc tcaggtagtg gagcttgatt tctta 395

<210> 22263
 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-K1-G5

gaagctggtc gagcaccctt ggttcaagaa ggggtacagg ccggccgtca tgctggcaca 180
gccgcacggc tccagcagcc tcaaggatgt ccaggtcgcc ttcagcaacg ccgaccacaa 240
ggacagcagc accaaggtgg aacagccggc ggacagctcc ttgaagccgg cgagcctgaa 300
cgcgttcgac atcatctccc actccagagg gttecgacctg tcaagcctgt tcgagggtgga 360
ccaagagcag aaggccagca actcgcgggt catgaccag aaaccggcgt cggcgatagt 420
gtcaaagctg gagcaaatcg c 441

<210> 22266

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G8

<400> 22266

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acgcattccg tgctgaaatc cttccctgcc ctaaattccg tcgatggaag tccgaaggga 120
gcacagagta gaggtgaaat tcatgccaac tcatgccaac tcgttctagc cgtggagccg 180
cgcccgagga ggaccgctgt ggtctgccga ggccggccgg ttggggcacgc gccgcgttgg 240
gatgcatggt tgctggggcc agaccgcgcc cgccctcgcg ccggatccga ggccgaggcc 300
gcgcccttgc ccggaggcag agcagttcgc tgctcgtggc cacgcggagg ccgagcgggc 360
ctgcctgcgc gcgcggggtg gcgaggccga acactactca catctgtgta catgcagtcg 420
c 421

<210> 22267

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-G9

<400> 22267

cccacgcgtc cgcagcttct cggttatgg tgccagagcc agaccgacgt gcctagtagc 60
ggactatctt agcttcaaga gaccgacca ggcaagatcc attgatcgat ggagctgctt 120
cctctgtcga cgtggctcct ccttgccgac gcctggcctg gcctggcctg gacggccgcc 180

gcgcggcgcc ggcagtctcg gtgctacctc ctggactacg tctgccacaa gcccagcgac 240
gaccgcaagc tgtccacgga gacggccggc aacgtgatcc agcgcaacgc gcggctgggg 300
ctcaccgact accgcttcct cctccgcgtc atcgctccgt ccggcacgag cgaggagacc 360
tacgccccgc gcaacatcct ggagggccgc gaggactcgc ccaccctgca ggacgcggtg 420
gacgagatgg acgccttc 438

<210> 22268
<211> 340
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H1

<400> 22268

cccacgcgtc cggatcctt gctgctgatg agtccactgg caccattggc aagcgccttt 60
ccagcatcaa tgtcgagaac gttgaggaga accgccgtgc cctccgtgag ctctattct 120
gctgccctgg tgctctccag tacatcagcg gtgtgacctt cttcgaggag accctgtacc 180
agaagaccaa ggatggcaag ccttttggtg atgtcctcaa ggagggaggc gtcctccctg 240
gcatcaaggt tgacaagggc accattgaag ttgttggcac tgataaggag accaccaccc 300
aaggccatga cgaccttggc aagcgtgcg ccaagtacta 340

<210> 22269
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-H10

<400> 22269

gaattcccga cccacgcgtc ccgtccagca tcctcagcca cagaaaatgc tctgtggtcg 60
gatggcacat tcttacacgt cacgtattga cgagcaactc atgcacagtt ctatttatac 120
ccctggatca ccctatactt gcgatgtccc tatggtacaa gaggccatag acgcatatg 180
taggatccac ggatcatcac cagatgagaa gatagacatc acctaagcta ttataaagag 240
gctcgactgg atccaagccc gcactctttg ctggcatcat agcactggtg atgagcaatc 300
taaccatgat ccgaatgacc cgcaga 326

<210> 22270
 <211> 376
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-H11

 <400> 22270

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 ctccccgctc ccagatctcg ctgcctcggc gccagttgcc tcgcagtttg gatcatctca 120
 tacctcggcg aagatgaggg agatcctgca catccaggga gggcaatgtg gcaaccagat 180
 tggcgccaag ttctgggagg tgggtgtgca tgaacatggc attgacccta ccgggcggtg 240
 cactggcaat tccgaccttc agttggagcg tgtaaatgtc tactacaatg aagcctactg 300
 cggacgcttt gttccccgcg ctgctctcat ggatcttgag cctgggacaa tggacagtgt 360
 ccggaccgga ccctat 376

<210> 22271
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-F8

 <400> 22271

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 gttcctcctg gtcctcttct gcatcgtgca tggtgagaag gaagagtcaa agggcatcga 120
 tgcgaaagcg tccaggcctg gtgggtcctt cgacatcacc aagttgggcg cctccggcaa 180
 tggcaagaca gacagcacga aggctgtgca ggaggcatgg gcatcggcgt gcggcggcac 240
 tgggaagcag acaatcctca taccgaagg tgacttcctt gtcggacaac tcaacttcac 300
 aggcccttgc aagggcgacg tgaccatcca ggtggatggc aatctgctgg cgaccacgga 360
 cctaagccag tacaaggacc atggtaattg gatcgagatt ctacgtgt 408

<210> 22272
 <211> 207
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E11

<400> 22272

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gggagggacc atatctaccc acggacggtc tctcacggtc attactgggg gcagcgccat 120
gatgccgttg tgtatattct acgttcacat agtggtcgtc gtacacatcc accacttact 180
ccaggagcgc tactttctgtg acaaata 207

<210> 22273

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E12

<400> 22273

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gagacgtgcg tcgacggggt ccccgatgac gagttcaagg ccaagggtgaa ggagtcgttc 120
aacgatggga aggagctcac cagcaacgcc ctggcgctca tcgagaaggg gtcacgctc 180
ctctccgtgc taaagggcgg ctcgaaacga cggttgctcg aggaggaggg agaaccggcg 240
caagccgggc ctgcactcga caaggacggc atcccgaat gggtgcccga cagtgagcgg 300
agggtgctca agggccgcgg cttcaagagc aactcacgc caaatgtggg ggtggcgaaa 360
gacggcagcg gcaagttcaa gaccatcaac gaggcgctcg ccggcatgcc aaagacctac 420
gactgaagat acgtgatcca agtga 445

<210> 22274

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E2

<400> 22274

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gccgctcgca gagctgagga cgctaccgta ggaatgggag cagaaaccag gaggaggaga 120
cggctactcg cccaaagtct ccgtcaacct atctaactgt tagtcgtcag tcttttagac 180

gcctcgacct ctcagctgga ccgtgcacgc gccgcggcgc agtcgtcgat ctcggccgctc 120
gccgaggctg ccgcgcaccg gctgatctta ctggactcgc gccacttctt gtaccagggc 180
ctgtacgccc gcagtgtggc ggacgccccg atccgccccg cgctccgcct gctgaagcag 240
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gtgatgcgcg cctncttcga ggcgttctctg atgggtgctcc tggcgggcgg caacgagcgg 360
agcttcgtgc gcgccgacca cgccacggt 389

<210> 24187

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E12

<400> 24187

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ttcttgattg tgcgcagacc tgatcttgtc gcagtctcct tttccacgtt gctactttac 120
tgtagcattg cggtagacga catgatgagt gctgaagggt gatggcaatc aaccactgca 180
tagaactata tagctgtcat cctgttctgt ctgtcatcta ctgactgaga ccaattatat 240
gacagacggt tgctattggc tgtgctctag atcttagtct gactgacgta cttaacgcag 300
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<210> 24188

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E2

<400> 24188

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ttcaccgcca tcgtggtegc cgcatgggg ttcttcaccg acgcctacga cctcttctgc 180
atctccctcg tgactaagct cctcggccgc atctactaca ccgtggaggg gtccgcgacg 240
cccggcacc tcccgccgca cgtgtccgcg tccgtcaacg gcgtggcctt cgtgggcacg 300

ctgtcagggc agctcttctt cggctggctg ggcgacaagc tcgggcgcaa gaaggtctat 360
 ggcattgacgc tcatgtctat ggtcctctgc tccgtcgctg cggggctctc gttcggccac 420
 accccggcgt ccgtcatggc gacgctgtgc ttct 454

<210> 24189
 <211> 394
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E3

<400> 24189

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 ctcttaccac ttcaacaagc tcatgagcaa acccateaaa ctaacacacc tacacctacc 180
 accatattatt cctcattcta aaaactcatt ttctttgtct gatctacctc accttgcata 240
 tctcctcaaa acccacaatg ataacgcaa acatgtctctt gaccatgaac cacatggaca 300
 tgaaatgcac tctttaccat gcagactctt ctaagcatat ctaatctaca tgctcttttag 360
 caaaaaagct tatgccctta cactcatgct cata 394

<210> 24190
 <211> 443
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-011-Q1-K1-E4

<400> 24190

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 gaacatcgag cagcagtcct cgcacatcgc gcagggcgctg cacgggcact tcacgaagcg 180
 gcccgaggag atcgggcgcg gcgaccaggg ccacatgttc gggtagcca ccgacgagac 240
 ccccagactg atgccgtca gccacgtgct ggccaccaag ctgggcgcgc gcctcaccga 300
 ggtgcgcaag aacggcacct gcgcttggt gaagcccgcg ggcaagacct aggtgacggt 360
 ggagtacgtg aacgagggct gcgccatggt gcccgccgc gtgcacaccg tgctcatctn 420

cacccagcac gacgagaccg tca

443

<210> 24191

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E5

<400> 24191

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ggagcctatc gcggcgtagc acttcgattt agcaggcacg gcgttcggcg ccatggccaa 120

gaagggcgag gaggagaagc tgcgcaagcc gggcatcatc gacatgcagt tccgaagggt 180

taagtgaag tacgactcca aggtcacctt ccaccttgaa aaggggtgcg gcccacta 240

cctggcgctg ctgggtcaagt acgtcgatgg cgacgggtgac attgtggcag tggacgtcaa 300

ggagaagggc tctgacacgt acgagcccct gaagcacttc tggggcgcca tctggaggaa 360

ggacaggctc aaaccgctta aggga 385

<210> 24192

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E6

<400> 24192

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aggggcgatg gcggcggctg atgtggagta ccgttgcttc gtcggcgggc ttgcctgggc 120

caccagcaac gagtcgctgg agaatgcctt cgcctcctac cgcgagatcc tcgactccaa 180

ggcatcacc gaccgggaga cggggaggtc tcgcggttc ggcttcgtta ccttctcctc 240

cgagaactcc atgctcgacg ctatcgagaa catgaacggc aaggagctcg acggccgtaa 300

catcacggtt aaccatgccc agtcccgtgg cgggtggctgt ggccgcggtg gctactgcgg 360

cggtcgcggc ggcggcggct atggtggcgg gcgccgtgac ggcggttatg gcggccgtgg 420

cggctaccgc ggtcggcgcg aggggtgggtg c 451

<210> 24193
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D1

<400> 24193

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tatgctctcc aaagttacaa ccctatTTTT taaaggattt ctatattact gaagaaaatt  180
agtttattta tttatggaaa aaatagaaat tattaagcaa aatgggtccc aaactatacc  240
tggtcactag tgtagctggt aatccgccat tccgcgcgag atcagtaggg tgcgcggtgct  300
gggtgctggct acggccatgg cgacgcccac cagcaccgtc acccgcgggc gcaacaggca  360
ttggcattgt acccaagtgc ttccactgct gttgctagta ccactatgct tcgcgcttct  420
ggttg                                           425
  
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<210> 24194
 <211> 305
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B3

<400> 24194

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catgcgataa ccatctgata tggacggaac tatatattgt attcctatta atctggcatt  180
ttctaagcta attgtttttt ttccaaatat accgtcgatg gaactccaaa tgtaatgtca  240
cgcaaatgtg tggtttttcat cgattgaatg gataataata aaaaggcatg ctggcagtta  300
ctact                                           305
  
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<210> 24195
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B4

<400> 24195

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acactgaaca caataatata atcacacaaa atactatata tgtatttcta ttaatatcga 180

tattttctaa gctaattgcc agacacaaaa atataccaaa actataactt caaacctaata 240

ctaacgcaca actgtcttct tgatcaattt aatgcataat actaataacg cttgttcgta 300

cgtactacta tactttctcca caaggaaacc agtaaacagc aa 342

<210> 24196

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B6

<400> 24196

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tgctgggggt ggccgtgccg tacgagcaact ggacgacgcc ggggcaccac atcggcttca 120

tcgtcatgta cggcctcacc ttctttcttcg ccaacttcgg gcccaacgcg accacgttca 180

tcgtgcccgc ggagatcttc ccggccaggc tgcggtcgac gtgccacggc atctcggcgg 240

cgtcggggaa gctgggcgcc atcatcggtt ccttcgggtt cctgtacctg gcgcagaaac 300

gggacccggc caagacggac cacgggtacc ccgcgggcat cggcgtgcgc aactcgtgt 360

tctactcgc cggtgcaac ctgctgggcc tggcattcac gttctcgtg ccggagtcca 420

agggcaagtc cctggaggag atgtccggcg agaacga 457

<210> 24197

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B7

<400> 24197

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tcgatatgta ccgcctcacc ttctttcttcg acaacttcgg acccaacgcg actaccttca 180
 ttgtgccctc agtgatcttc ccggacagat tgcctgttac gtgccacggt atctcaactg 240
 actcacgaaa gctggagcgc tatcatcgtg atgcttcaag ttctgtacc tggcgcaaaa 300
 ccgtttaccg ggccaagaca gaccactgat accc 334

<210> 24198

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B9

<400> 24198

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 acaatgatcc cgaagttaac aaatatctga aggttgtctt tatcccaaat tacaatgtat 180
 cagtggctga agtgcttatt cctggtagcg aattgtcaca gcatattagt actgctggta 240
 tggaagcaag tggaacaagc aacatgaaat tctctctgaa tggttgtgtt atcattggca 300
 cccttgatgg agctaattgtt gaaataagag aggaggttgg agaagataat ttcttccttt 360
 tcggtgccaa agccgatgaa gttgctgggc tgaggaaaga cagagaaaa 409

<210> 24199

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C1

<400> 24199

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 ctcgccatga tggccgtcgc cctcgctcgt ggggacgccg agcacttctg ctgcctggcg 180
 gcgctctcgg gcgcatcggc cgccgacgac gattgcctgt tctgcgcgtg gctgaccaac 240
 cccaccgacg acctcatgag gctcttccca tgatgataca ggaataggac taggagacgc 300
 aatttttttg ataatagtca attcgtgtac ctagctccaa atatttagca ggtataagct 360

ccaatcattt acgcgtactg catccacttt gatttttgaa atcaatatta taggaaagac 420
ataaacttgc aataacttta tccaaaata 449

<210> 24200
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C10

<400> 24200

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tgtgctggtt gtggcttgga agctgagcac caactttggg aaatgaagct tcttggccga 180
gaacctgata cacagctcta tgatgttgta ttggcaattt gtgcttctca aggggaagct 240
gctgctgttc gacgcttgct tgcaggagtc gagtcaacca gcgccggaag aaggaagaag 300
tctatgtcat ggctactgcg aggctatgtc aaaggtggct tcattctaga cgcctcagaa 360
aactcatac agatgctgga catgggcttg cttcctgatt acctggatag agctgct 417

<210> 24201
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C11

<400> 24201

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cagttagaaa aggaaaccaa tctattaatc gagcatagca ggccgtatca cgagagggac 120
ttggctacgg gggcggttga aaggaggcct gatagcaagc cgacgacaag cgctctgttg 180
tacgtggctg gctcgttctg ctgcacattc tcctgtcgt cgacaaacga gtcgttcttg 240
aacggcccg cgaccagctc gccca 265

<210> 24202
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C12

<400> 24202

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ttcatccgat gtgctacctc atttatactg tccacctgac aatgtctact ggccggattg 180
ttacaacgac gccattccta aaacccttaa tttacctaaa ttaatcgctt tggacaccat 240
gcatatttca actgatgccca taataactaa tattccccta ccgcacgtac gcttaaaacta 300
gtactacact ctgaatgtca tatggcacac tctttctagc gtcacattaa actcggccta 360
ttttg 365

<210> 24203

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C2

<400> 24203

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gatatgactt caatactgca tgcgctaggc atctcagttg aagggtggtga ggttaaagcc 180
ttcaagcaag ctcttctgaa attccatccc gacagggtat caaggaatga tatttatcaa 240
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ctatccta atgccatccca ctcttttttc cacatgcctt ggcgcacacct ccattcacct 360
gtaagggtcaa ggtacagaat tcagaggatg tttattggcg ttattttacaa gtaactaggg 420
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<210> 24204

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C3

<400> 24204

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 tcgtccgctg ctgtaggctt tccggcgccg gtcgtttgtg tggttggcat ccgtggccat 360
 gcctgtgcgt gcgt 374

<210> 22275
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E3

<400> 22275

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 tttgtcgtta aggagcccg agtcgcgcc tctgcctca tcgctggatt cggctctctt 180
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 cctcttctaa atgatgtggt tgcaggtgtc accggcaaga aaaagtagtg aacttgcatt 300
 gttttctcat gccaatgttg cccacattt tcttccccgt gtttttctg gcgaccagat 360
 tggaaggctt ttcccaagag tcac 384

<210> 22276
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E4

<400> 22276

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 ggtgtacaca ttatatatga atgaaacata ttcattaact taagcatact ccttttttta 180
 tttaatgagt tgatattaat taaatatctt tttttttaga tttttgcaaa ggtttcattt 240
 acgcctaata catatcgagt agaccctgtc gttgtgagaa ttcttaattc atgagttgta 300
 gggaggggact tatgtcacca caaacagaaa ctaaagcaag tgttggattt aaagctggtg 360

ttaaggatta taaattgact tactacaccc ccgagtagca a

401

<210> 22277

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-E5

<400> 22277

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cggcagctgg ccaaggagaa ggcgtagcgc gcggagaagg tcgtccagca ggagatgctc 120

aagtacgcca aggagaaggg tctggtgtcc ccgaccaacg gcacgggggtg gtacaggggc 180

atcgccccgg agttcgtgga cgcccacaac gagctccgcg cgcgctacgg cgtgccgccc 240

atgaagtggg acaaccagct ggcgcggcag gcgcggcgct ggtccaacgc catgcgcaag 300

gactgccaga tccttcacag cggccacgag tacggcgaga gcgtgttcag gagctacgac 360

gactggaacg ccaccgncag ggaagccgtc ttctggtggg gcaa 404

<210> 22278

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E6

<400> 22278

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atccatggac acgtacagta ccaatacatg attcttcaca gttcaaaaaa aataaaaaata 120

aaaacaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaagtaat aaaaaaaaga 180

tataaaagga tcacaaagac aatgaaccat gatagtgcc aaaactacat atggcaagcg 240

cctttgaact gcctcttcaa acttcaccgt gaagatcgac aacattgggtg ctgcatatgc 300

ccaatccgag gtacttgcaa cgctaagagg acactatggt actgcgagac gagtagcttg 360

gaccaatcca aagtatggtg caatacttgc at 392

<210> 22279

<211> 439

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-E7

 <400> 22279

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 ctttgattgt atacattatc taaataatac actaaaggta aaaaaacgat ttttttatga 180
 attcagttaa ttcgtatata tacaaaaata aagtaagaaa tgtgattaag tttgaaatgt 240
 tagttttacg attgtgccac ttggtttatg aatatctgtg tatgtacttt taagagtaaa 300
 acaacagcat gttaaggcct aagtgcactc aagttattct atatttattg atcataatta 360
 acaataaaac acgaggaagc tgcaaattgt ttcattatct tcttcttcgt ccgatgtagc 420
 attccattta tgtgtgctc 439

<210> 22280
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-E8

 <400> 22280

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 gagtggctgc gggagtcac catccattgg aaaggggatc tgcaggatct gtctcaccac 120
 ttgtagaaag atttaacttg ggtggtaata gggctctcgt gtgccgcttg ggtggaccat 180
 cttcactatt aggcttcaaa acaagagggc tacgggcagc aacagagtcc agaacacatg 240
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 aagtagcggg gacagccttt gccgacctgt catttgatct gcctctgaag ccgctcaggg 360
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 gtgatct 427

<210> 22281
 <211> 293
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F12

<400> 22281

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ggctgtattg gcttgattgt gtattgcacc ttggattgta acttgcaaga tactctagcc 180
atgagctgtg tgcaacttga atttataaac acaacatata agatacaatt gacgcacgtg 240
cactaactgc cattccagca gagctttag aatgttataa aacataaact aac 293

<210> 22282

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F2

<400> 22282

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cggccttttg ggctctcacc ctgagcggta ggaatccgca gggctccagt tgggtgccag 180
aagcatccaa gtcgttggcg ggagaccggg aaatggcgga aaaagagggg gcgaacgttg 240
gggcggaaga gatggaagag cgggagcagg aacgggaggc ggatgacgtg gacgtgaaga 300
ttcgacgatt cgacggctgc gacatcggcc ccgagcgct 339

<210> 22283

<211> 366

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-K1-F3

<400> 22283

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cgatgaagct gctggccatg tcgtctccg ccggcctatt tccatggcca cgacaaaatt 120
gaggatcggg taccacctac ctgcgtccat cggatgaacc tatgtcgtg ctgcttaact 180

gcacattgag attgagattg tgtggttgtc gctgctgctt aactgcacat tgagattgag 240
attgtgtggt gttttgtttc aggttcagcc tcaccgncta ctgtggggag gacaacattg 300
tagttntaga ctgctgctct acaagtacct actggcctac ttcattttca gggtgccctt 360
atttct 366

<210> 22284
<211> 390
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-032-Q1-K1-F4

<400> 22284

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ggcgtatcgt atccgtcaca cagtangccg gacgtgctgt ctagtccggg gacgccgagc 180
tgcaatcggc gtgggatggc aggcgttggc taccagcagg gtctctgttc agaaagagtg 240
atcccgcctt ggaccggcca tacaagccat tctgggagcg gcatggtgtt accttacagc 300
actgggactg ggaggacgct gccatcgaaa tgggaggatg cagagaggatg gatcttcagc 360
cccaacccca cccaacaat gcaactcgga 390

<210> 22285
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F5

<400> 22285

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ctccacatca ccaaatggat aaaccatcaa aaagcattct agcttaatct tggacagaat 180
aattttcaaa gcattatcat aatcataata tctcagccat actctagaaa gaggttttac 240
cagatacgat atggatccat ggcaaaagcc aattccaaag tgcatttcaa caggggctgc 300
aatgacagg caaacacttt aaaaggatct atgggacatc agtggcaaac actttaaaag 360

gatctatggg acatcagtgc atttcaagec atcatccttc atgggtgcaaa cctattacca 420
aagtatcaga tttttttata gcattttt 448

<210> 22286
<211> 261
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F6

<400> 22286

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acccattcca agttgtgtag tgggttttcgg gtgccttggc gaatgccttt gcatcctaac 120
acctaaagtg gcggacattg cgtgaggctg gcttcacaga gcagcgagta cgcggcgcca 180
ccagaggtgg aaggataatg agccgctatg ctctaggcca attagggaac atgtgccctc 240
tatggtagac cactatcttt t 261

<210> 22287
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F7

<400> 22287

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attccacatg aacatgtaca agtgcaagga catgctgatc aaggacgtca atgtgacggc 120
gcccggtgac agccccaaca cggacggcat ccacatgggc gactcgtccg gggacaccat 180
caccaacacc gaaatcggcg tctgcgacga ctgcatctcc atcgacccccg agacctacaa 240
ggtgaacatc accggcgtga cctgcgggtc cggccactgc atcagcatcc acagtctagg 300
gcggtacaag gacgagaagg acgtcacgga tatcaacgtc aatgactgca cgc 353

<210> 22288
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E10

<400> 22288

ccccacgcgt acggccacgc gtccgcaaga tctgttggga gttcaaggaa gaaaaatctt 60

aggacaggga aaatatcgat gccgcgagag cgtgggctgg tcccttgtct gggaatcgtc 120

tcgttgttgc tctgaggaac cgctgatcag atactgctaa cgttacaatg aaactgccag 180

caataagcct tgatgggtat gctgcctatt ctgttaggga tctgtggaag catgaaaactc 240

tatcggaaaa tgtcgtacga acttttggcg ctcaagtga cgtgcatgac accaagatgt 300

acatcttttc tctgcaacc attgtcgctt cagtctgac aggaccggtg gatccaagat 360

gacagcaccg ctattgttca aggatatgtc acgacaacaa gcgccttcgg ttttcctgct 420

gcattct 427

<210> 22289

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C5

<400> 22289

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ttagaatgct caatgcgcct tacattcaaa tttcaaggcc tgattgaggt tgaaataaat 120

acttgaaggc cagatctgtt ccttatgtag cttgcttccc ctctctagg ggcggaggga 180

gcttctagtt aggaatgctg gattagtttg agaagttgca gactgttaga atgctcaatg 240

cctagttcta gtcgcga 257

<210> 22290

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C6

<400> 22290

ggctgccgta cctggacgac ggacccgttt ccgacgacac gcctggttcc acggacatgg 60

gcgccgcggc gggcgacctg aaggcgctg agatccgcat gtcggccgc atctctgaca 120

tagagctcgc gttgcagaac caccagatcg ggctgctatg catctccagc gacttctcat 180

agaaaggcga agtactcgcg gagactaccg agaggaatat ggacgtcgtc atgaccgcgc 240
tctgcctgcc ggactataac gagcgccaac agcccgccga gtactatgac ccgtaccatc 300
aggagctgca gccgcctg 318

<210> 22291
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-032-Q1-K1-C7
<400> 22291

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tgctatacca cctctcgatc actgtatcgc ttgtcctagc tcgtggcatt atcatagccg 120
gtgtttgttga catagctcca cgtcccactc ctctacctct tcctccgcag ccacttcttg 180
caccctctcc gactcctcgt cctccaggtc ttggggcccc tactcgcaact cctcctcttc 240
ctcttctctc tccttccccct aggccaccac gcaactccgcc tacaacgact cctcttccac 300
gtccatgggtt gggggcacct tctcctgccc gtgttcctcg tcctccacgg ctcgaggcac 360
cccctcgtag tcctgttctt ccgtctcttc gagtaggtgc tccatcttcc gcaccttctt 420
ctgttc 426

<210> 22292
<211> 390
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-032-Q1-K1-C8
<400> 22292

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gagcttctgc ataagaacaa caaatcaaaa gcgtgatcag ctcggtgcc aaaaaacctc 120
aacaaccaag tttcatgtct gatctcgacg tccagcttcc atctgccttt gatccgtttg 180
ctgaggcaaa tgctgaggac tctggtgctg gtcttgaac gaaggattat gtgcatgtgc 240
gcatccagca gcgcaacggc agaaagagtc tgactacagt ccagggtctg aagaaagagt 300
tcagctataa caagatcctc aaggatctga agaaggaatt ctgctgcaat ggtactgtag 360

ttcaggaccc agagctaggc caggtcattc

390

<210> 22293
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C9

<400> 22293

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ggatcgagac aaaaccttga agctcactta tgaagaaaga attcaaagt cgaaggaagc 120
cggaccagaa atggaccctt tgggtgacct aattaccgaa cttgaaaaaa aacttggtcg 180
gtttgtaagg gaaaagttta ccccaaattt tttaatccgg attaggtatc cttgggctgt 240
acgtccgttc tacacaatgc cttgttatga caaccatcg tacaccaatt ctttggatgc 300
cttcattcaa ggaggggaga taatatctga ggcacaaggg atacacactc cagatctggt 360
ggccaagcgc 370

<210> 22294
<211> 246
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D1

<400> 22294

ggcggggatg acgtcgtcgt agacagtctt agtgccgaat ggaagcccaa cactgcctac 60
accacttgat agaccttttt tattttttta ttcaataaaa ggatataagg tgtgtgacaa 120
caacacaaat attgtattat ctatgtatct cctatgcaat cccaatttta tcatggacac 180
attttaaaat gaatacatat ttttaatgaa taatcgaaat atatgatata tatgtatcaa 240
ttctag 246

<210> 22295
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D10

<400> 22295

gcgtcacgct tactgacgtg ttgtccatgg ccattgttca agccgaccaa ctcctactgg 60

tccagagaga tgcaatgtcc ggctcgcgat acatgactta cccgggcaca caggtcacat 120

tcattcttctg ctatgatggc catggttgcc catgagacct tcggttgcat caatgactac 180

ctatgcaacc atctcagaaa gtttgcaact gatcgcatgt ggatgtcagc aaacctgacc 240

cggtaagctt tccaagctac tgaagatgga tgactctcta tagtcagcaa ggaatggtct 300

gtgaagcatg agattcgaca agacgactgc cgatacctcg taagcataat cagcgatctg 360

acatctgtat gtggtatacg tgttcaactc aaatgc 396

<210> 22296

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D11

<400> 22296

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gcttttagtcc cagttttctg ctttgggcag agctatgcat acaagtgggtg gaggcctggt 120

ggtaaattgt ttatcaagat cgctagagca gttaaattta ctcctattat cttctgggat 180

agatttgcca caccattccc ctccccaaaa cccatgcatg tggtcgtggg taaaccaatt 240

gaagtcaata agattcccca tcctacaatt gacgagacaa ttgcaacagt atgcatgttc 300

ttggcgggaa aagttgacga aacaccaga cctctgaagg atgtcact tctttcatat 360

gagatcatcc aaaaaagga tcctgctgca gttcaacgaa tgatacagaa ggaagtatat 420

gaacaaca 428

<210> 22297

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D12

<400> 22297

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gagtgaactca ccagaagttt gctcggcggt atggttttct tcttgaggat gttgcatctc 120
aagatccact cagtgtttca gttgcaattc ttcacagtt caacatttta cctgagatgt 180
atcaagttgg ctacacaaag ttgttcttcc gaactgggtca gattggcaac cttgaagata 240
ctcggaatcg tactctgcat ggtattttta gggttcaaag ctgtttcagg gggcatcaag 300
cccgtcatca tgcaagagaa cgaacaagag gagttttgac tcttcaatca ttcattcgtg 360
gtgagaatgc acggcaaatt tactcctctt tgttgaggaa acatagagcc gcagttgttt 420
tgcagagaaa tgtgagatgt tgg 443

<210> 22298
<211> 395
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-032-Q1-K1-D2
<400> 22298

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cgcgccgccc cttccctctc gcggcgtcgt cctcgcaagc tctccgatcc aagatgtata 120
agctggggag aggaaaccgc gacaaggtgc agcagttcat gaccattacc ggcgccagt 180
agaaggttgc ccttcaggca ctgaaagcta gtgattggca cttggaagga gcttttgact 240
tcttctatag ccaacctcag gtttctgtgg tcaatactcg gcatcttgaa gatattttca 300
acagatataa agaacctgat gctgatatga taatgggtga aggaatatct caattttgca 360
atgatctaca ggttgatcct caggatattg tcatg 395

<210> 22299
<211> 297
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-032-Q1-K1-D3
<400> 22299

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ccttcgccaa ggggtaccac ggccggaacc ttgcgttcgg cgagagcgtg gccatcaagg 120
tcatcgacaa ggagaagggtg atgcgcgctcg gcatgatcga ccagatcaag cgcgagatct 180

ccgtcatgcg cctcgtccgc caccccaacg tcgtgcagct gcacgagggtg atggccagca 240
agagcaagat atacttcgcc atggagtacg tgcggggcgg cgagctcttc gcccgcg 297

<210> 22300
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-032-Q1-K1-D4

<400> 22300

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gtatctatgc agtgggaact atatcagaca gttattcaaa aatgtacctg aacaccaata 120
gtacgttggga gaacgttgct tcgaccagga ttactatctt cgatctgaaa ctctgataag 180
cagaattgaa gacaaacgat cgggtacttg gggaatatgg aatttattta ctgttggttt 240
acctagtact tgcctaccag ccaggcgccc caggggacga cggcaaagat acagtctcgg 300
gtattaggat ggcaaaggca gcgatagata aattctactc caagtatatg ttgggatcac 360
gtaagctggg gcttgacca cattcaacga tctttggcaa aaggatgctn gtcaaaagtg 420
cgatcat 427

<210> 22301
<211> 436
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-032-Q1-K1-D5

<400> 22301

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ccgatgccga gntatccagc cctcgtctcg cgacaacgga actggcatgg tcaaggctgg 120
gttcgcccgc gacgacgcc cgagggccgt cttccccagc atcgtggggc gcccgcgcca 180
cactggtgtc atggtcggga tggggcagaa ggacgcctac gtcggtgacg aggcgcagtc 240
caagaggggt atcctgaccc tcaagtaccc catcgagcac gggatcgta gcaactggga 300
cgacatggag aagatctggc atcacacctt ctacaacgag ctccgcgtgg ctcccagga 360

gcaccccgctc ctccctaccg aggcgcccct gaaccccaag gctaacaggg agaagatgac 420
ccagatcatg ttcgag 436

<210> 22302
<211> 82
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D6

<400> 22302

attatattgt acctaagtat tacttggcgt cccatgaatc cgttgtaaata atcaagttgt 60
aatttctact atcttcgttc tc 82

<210> 22303
<211> 272
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D7

<400> 22303

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tgatcactgc tgtctgaaaa ggtcagatat cgtgatgatg atggaatgga ttctattctt 120
gacgtagatg atgtcctaata tgatgctgac aggatggata acgatattac tatggacatt 180
gtgcgataag agatgaacgc ttgtggcaga cgatgatcaa tcagtcaggg tgagagactt 240
ctacgtgaca tatctgaagt ttatgttgac ac 272

<210> 22304
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D8

<400> 22304

cccacgcgctc cgccccacgcg tccgccccacg cgtccgccca cgcgtccgat ggacaactct 60
ttagggcgct tggtgtattc gcacagagga aaatcaacct cacaaagatc gaaagtcgct 120
cacacaagga gaggcctctt cgagtatctg atgactgttc ctactctta aagaattttg 180

attacctctt ttacgttgac cttgaagcat caatggctga tccaaagatt cagaatgctc 240
 ttggaaatct gaaggagttt gcaacctttt taagagtcct cggaagctat cctacaaatg 300
 tgaatgaacc ttagaaaaca ctgcagatta catgatggat tagcaggaat ggacgaaatg 360
 gtttgagttg gttctctgag caagttgaca agtgaggacc tctatgaagc tgatgctaac 420
 attta 425

<210> 22305
 <211> 343
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-032-Q1-K1-C4

<400> 22305
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 ggcacaaacc ccaacggcgg gttcctgtcg tacgggaaca tggagagcta cgcatgtgg 180
 gtggcgaccg gcgtggcgctc ggcccttcttc gcgtccctcg agcgtgctc ctgcatccac 240
 ctncacaccg cggaggacga cggcgctcgag gaggaggagg acctcgagga ggcccgcgcg 300
 tccttctccc gcccgatccc tgagtactac tacgaccggt ccg 343

<210> 22306
 <211> 80
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-D9

<400> 22306
 aaaaaaaaaa aaaaaaaaaa aaaaaacaat tttaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaagaaaatt tgtcagacga 80

<210> 22307
 <211> 273
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-E1

<400> 22307

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gttcttgggtg actgttgctg cgggtggtcga cttggaagac gtcacctgca ccgctgttcc 120
catatattat tgatgtgacg tgatatgatt atatatgcat ggtgacgggt ttatgataat 180
tccatagaca taatttaatt taatttatgt atttgtgtca agtcgttctg taatcatgcg 240
atgaaatata tgatttggtt ttccatttgt ttg 273

<210> 22308

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B1

<400> 22308

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tcccccttc caagcacgct tatcaaacca tcaaccctaa catattaagg cactgactta 120
attcacacgc agaaatcaac ggtttgcagg aaatcgctca tgccgcggcc gaggtcgcag 180
ccaggcatct ccgggaagac gtcgttgata tcgtcgaggt cgaggtcgat ctccagttcc 240
tcgtccccga agtccccaaag cagcaggtcc tgctcatcgt ccaggcagaa gggcgcatcg 300
gagacgtcca gagcgtcaag cccggcacgg aagtccatcg ggctgatgtc tggcagctgc 360
aggccgcgg 369

<210> 22309

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B11

<400> 22309

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tgcggtgctc ttctacatcc tcgccgtagc tgccctcagc ggggccgaag ccccggcaga 120
gtcaccgaag gaaggcagtg ctgccaaaggc acctgagtct gccaaagagaa ctgctgcccc 180

cgctgaagca cccgaagccg catccacccc cgtcgccgcc gctgccccat cgccgtcgtc 240
 taagaagtct ggtccagcta ccgcgccagc caccgcctct acaccccctt cttccacgga 300
 cgaggagttg agcccttccc cgccagcatc caccgccgcg gcgtcccctg cggctgaagg 360
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 cg 422

<210> 22310
 <211> 282
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B12

<400> 22310

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 acatgcttca agtgcagcca ctgcaaaggg atcctctaca tgagcagcta ctattgcatg 120
 gacggcgcgcg tgaactgcac gaccacttc gagcagatct tcgtggacac cgacagcttc 180
 tccaagatct tcacgccaag tggccagtct tcagacatgg gtgtactggc ctgaggcccc 240
 agcatgctat catctgcgta gtctgggtact cacgagaagt gt 282

<210> 22311
 <211> 303
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B2

<400> 22311

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 tctcgacgcc cgattgagcc gagcgatgtg agagattggg agaccatgcc ctctccccgc 180
 caccatggat tccgcctgt gtggccaact gggcactgga ggatggcttt ggcgcttcac 240
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 agc 303

<210> 22312

<211> 252
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-B3

 <400> 22312

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 aaagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa 120
 aaaataaaaa taaaaataaa aaaaaaaaaa aagaaataaa aaattgatga agtcgaagta 180
 gaatgcatca catttttgca aagaaaaagt taaatatata tcttgtcaaa aaagatttaa 240
 atgatcttat tt 252

<210> 22313
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-032-Q1-K1-B4

 <400> 22313

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 taccgccgcc gcctccgcta gggttttgga gtaggatcg ccgatgtcga cggctcccag 120
 gcgccccttc cgaggccgcg gcgccccgcc ccctggcacc ggctacgttc gccgcggccc 180
 cgcccctgcc ccaggccccg ccgacggcgc caagaccctg cgcaagcccg tcttcaccac 240
 cgtcgaccag ctgcgcccc agacgcacgg ccacaccctc naccgccgcg tcattctccgc 300
 ccgcaccgtc ctcgacaagc ccttcacgca catcgccgc acccgcgctg cagagtgcct 360
 cgtcggagac a 371

<210> 22314
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-032-Q1-K1-B5

 <400> 22314

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 gcctccgacc tcgaccttgc cttccagctc caggtcgccg aggccatcca agcctccctc 180
 ggcttgccca atgccgccgc cccgtcatca tcgtcgcaag ccgccccaga gtcattcctc 240
 gacgccacct acgccttcgc cgtccaggcc gccgatctcg cgcgcgcaga ggaggaccgc 300
 cgcgacgccg aggctgccg agccgncaac gcccagccg nccncaacgc ccgcgtcgtc 360
 gcgcacgacg ccctcttcgc ccgcg 385

<210> 22315

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B6

<400> 22315

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 gggccgcgtc gtccgccgc cgcctcaccg gcacgtcttt cggctaccgc gacggccgcg 180
 tgtcgctgtc gctgcagcag aacgcgcggt gccagccac gctgggtggc gagctggcgc 240
 tcccgcgca cgcgtgctc cgcgagctcg gcgccacgc gggcgccgc atcgtgctgg 300
 aggtcgagaa gcgcgccgag cagggcaccg ccgacggcaa cgaggccatc gccaccaccg 360
 accacgacgg gtgggtgctg gaggagctca t 391

<210> 22316

<211> 273

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B7

<400> 22316

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 aagggaacgc cgccaccgcc atgccgccg ccacttgtaa tctccgcgat gctctagcta 180

gctacagtac ataacaatgc aatgagcgag cgaccggcaa ttcaaactcc aatgccgtat 240
gtaatcggta agtaaagtac ctgatcatta agt 273

<210> 22317
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B8

<400> 22317

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gcttttgcag gaagattttc gtagggggtg tagcttggga gacaactgaa gaaacattca 120
caaagcattt tcagaagtat ggagctataa ctgattctgt gatcatgaag gacaagcata 180
ctaggatgcc tcgcggattt ggatttggtta cattttccga tccatctgtg cttgacaggg 240
ttctagagga tgaacatgtc atagatggaa gaacagttga agtcaaaagg actgttccaa 300
aagaggaaat gtcacgaaa gacggtccta agacaaaaaa gatctttgtg ggtggta 357

<210> 22318
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B9

<400> 22318

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acctggccgt gctggcgaag tttgtggcgg acgatggcga catcgtgctg atggaaatcc 120
aggacaagtt gtcggctgag tggatgccca tgaagctctc ttggggctcc atgtgcagga 180
tggacactgc caaggcgctc aaggggccct tctctatccg cctcaccagc gattccggca 240
agaacgtcat cgctaaagac atcatcccgg cgaactggag acccgatgcc gtctacactt 300
tctacgtcca attctactag actttgaatt gccttcgatt catacggcgc gggggtctat 360
ggacctgcag cagcaagcta attaagctgg ccgatatcta tataatatat aatggaagcc 420
ctgggc 426

<210> 22319

<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C10

<400> 22319

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cggtaggaaa tctatggacg tcttgaagag aaggcttaaa gattgtaact aaggaataaa 120
tcgctggcac tatcatatag tatctatctc ttagatttca acttctctcaa ctgctttact 180
agagttggtc gacttgtctt tgtaggagaa gtgtctatac atctcgagag agtgacacca 240
catgaagcta gacagagacg acgcctataa gctattcagg ctgacgatgc tttacgctta 300
cattccactg gccgactggc tcgaccgctt atgcagactt ggctaactctg ctattcagag 360
ctagcgcctt cgattcgctt aagacagtga c 391

<210> 22320
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C11

<400> 22320

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cctcgtagtt gagtcagaac aaggcgcgga tgggtgacgac agagctgtgg gatctcttgg 120
cctccgactc agagcaattc gtggagatgt gcaggggtgta tcaacacctc aagctgaaga 180
actggtttgt aaggctcgaga ctacagtacg gggcagactt tgttgctcac tgtcatcgtc 240
cgacacttgc gcactcgtag ttcgtggagg ttgtggctct agaagggaaa gcattcgaca 300
ccaggtgtgc cctcatgaaa gtctggctctg aactattatg tgtgctttgg gactcttcaa 360
gtgtggccaa gacgttactt attcttacca tcagcaccaa gagctatgag ctaggatact 420
tggatt 426

<210> 22321
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-032-Q1-K1-C12

<400> 22321

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ttggagattc aatcgtggac acaggaaaca acaactacct ggtgaccgtt gtgaaggcca 120
acttcccgcc gtacggcagg gagtacccta accacaaggc tactggcagg ttctccgacg 180
gcaagatcac cgaggacttt ctagegtctg cgcttgggtt gaaggagacg ctcccgccat 240
acctgaacaa gagcctcacc ctggaggacc tcaagaccgg cgtcagcttc gcgtcggcgg 300
ggagcggcta caacaacgcc acgtgccgga cgtcgtcgac catgacgac gagcggcagc 360
tgcagttggt ctccgagtac aaggcgaagg tggngggcat ccacgagagg gccctcttcg 420
tggtctgctc cggcagcaac 440

<210> 22322
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C2

<400> 22322

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caagcgcaac acgccaacac ccgagaccgg acgcggcctt cgccttcctt ccgcgcgagg 120
gagattcgag gggagagagg ttctcacctt cgcgcctgcg gttgcttggc gcagagtcgt 180
cgcagatgga ccggtaccag aggggtggaga agccgcggga ggagtcccct atcggcgcca 240
acgagatccg catcacggcg cagggccggc cccgcaacta catcacctat gcgctcgccc 300
tgctccagga caatgcaaca gatgacattg tcatcaaggc catgggaaag gcgatcaaca 360
agacagttgc catcgtggag ct 382

<210> 22323
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-C3

<400> 22323

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gtatgtagac aaactcttgg atgttactga tgaagaaaga attccaatgt tcaccgatgc 120
cagcccagaa cttgcaccta tctgtgacct cggtagcgaa ggtgccaaca gactgcataa 180
ggttgacacg caaagggtacg acacaccttc gaccatcctg ggacctcatg cttcagggtg 240
gcatgcgatac tacagcatgc cgagttgtga gaaccagct tacaccggtg ttatagctgt 300
gttgatgcgc tgcgagggtc atctatctgg agcacgacgg atacacactc c 351

<210> 22324

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H4

<400> 22324

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tactctgcgc acttactccg tcaacgattt cgtgcgtttc ctgtctctgc tctgactttg 120
atgatgtctt tctctggctt ggtaaattat actaagctgt gacggagacg aagaaggctg 180
ttcgtgttgc ttctgttgct gctgttcacg gtattgcggc ttctgttgat gaggttttgg 240
tgtttgtggt tattagtgtt cgtctggctg tgcctttgga tgctgggtgt gcgtcgagt 300
ttcctgcgtc tcttctctct gatcatcatt cgtagcataa ccaatggagg actggaggga 360
gaggctcgctg gtcgttaccg ttcgcacctg gccggacttt gccacacac acacacacac 420
acccaagcat cccaaccgt gctctgatac gctgatcgac ttacctac 468

<210> 22325

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H6

<400> 22325

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tgtaaatgtt aacaaacata tttgtggcg tgagtttaca gaatgtcgta ggggtgtgtg 120
tcgactatta agtacacata cacagtatac tgacctcca ccaccgtacg tatgccaca 180

caagcgtcta ccgctccgtc gccgcaagcg ttagtataag tacacacatg gtgcccacac 240
 acatcataca tcttgactgc ctaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaagaaaaa aaaaaaaaaa aaaagaaaaa aaacagaaac gaaataaaga aaacacaaaa 360
 caaaaaaaaa aaaaaaaaaa caaaccaaac gacaacacaa aaccaaacca accgaaagca 420
 aaccgggtgg cggcccgacg ggaaaaatcc gc 452

<210> 22326
 <211> 504
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H7

<400> 22326

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 gttaggacgt tgacggcggc tactagtcgg aatttgacgc cgattagcgt gcgctctac 180
 ttgcgtatgt tggtaacggc gcttcttgtt tgcgtgtcta ctggttcttc tgctgttggt 240
 gttctttctg ttgctgtgtc tctggacggg ggtgggacgg tgggtgttcgc gcatgggcat 300
 gtggtgggga gttttaatgg gttggagaat cgggggaagt cgagttttgt gcataagtcg 360
 cgtggcgagg ggaagtagta gcttttgact gatactgcta ttaagtaggt tgcttttggt 420
 gctagttctg atatttctaa ctgtattcat ggtgttatta atgttatgtc tactaatgac 480
 ggttatgata ctatgtcggg gtcg 504

<210> 22327
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H8

<400> 22327

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 ggtgcgcaca gataacgtaa cgagagtcc gccttcccca gtgtctcctc gcgctgcgta 120
 cggcgagaag gtaaagctaa aggataatga cgtaaaagt cttgggtttg gcgggcttcc 180

tgatactatt aagccgggtg ttcttggtta cggtaagatg gacagtatga aggtcgcgta 240
ggaggtgcgg gtactagtgc gtggtggtat tgggaagtag atgacttcta cttttaaggg 300
tgatccttct gctggattat ctaatcctat aggtttacgt aagggtgatg cgattactta 360
ggcgaacggt aactcgcgg tgattatgga ttcaagttag cataaggact acggcaaccg 420
gactgagacc tcatgtgcgg ataattccgc tactattggt aagggaaagt ctg 473

<210> 22328
<211> 490
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-032-Q1-E1-H9

<400> 22328
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actattggtt ctgctaagtc tcctcttatt cctgctgtga ctgttattgt tgataagact 120
ggatgttggt tgtctccttc gtaggggtgt atgtagacga ctactcttta gacttccgct 180
gggatgccta ctgggtcgta gcctgggtacg agtgggatgg gtgatactct ggagtagcat 240
gttacgcgta ctgcgtcgcc tgcgcgtgct catgcgggtg gtcctgtgct gctgcggggg 300
tttacggggc ggtcggcttt tagtgagact catttgctcg ttgctgtggct ggtgggtgacg 360
agtgtatggt cggttgctaa tacgcctcct atggttccta ctgggtagac tccttctatg 420
tcgtctcggt attcntgtcc tggttctcct catcctcctg gtgttcgggc gtcgtctacg 480
atatctccta 490

<210> 22329
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A1

<400> 22329
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cccacgcgtc cgggcccggc tcgcctcaca ctcccggcg cctccggcga ttcattccacc 120

caataaagta tccaacccta acgatccgga tcgccttacc ccgcgtcatc cacgcgaatt 180
gattcgatta tcctcggatt ttccccgttt ttttgtgggt ttectatctt cttecgatcgg 240
agtgc taggg tttgggcgcg ctccgtgggc ggcgtactcc agggtcacgc ttagttggac 300
gggctagggg gctttctcac cgggggaagg gaagcgaatc caaacgatgg agaagaagaa 360
ggtggcgatc ccgctggt 378

<210> 22330
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A10

<400> 22330

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tgctgcacg aggacgctga ctaccggccg gtgatcagcg acgtcgtggc ggcgctctcc 180
ttactagccg acccgaaata ctaccctacc ggaggcacat gaagctgaac acatgagcac 240
gcatagcagg acagacaacg atagcagacc tcctaggacc tagaagggtca cgtgagacga 300
cgacatgaag catagatgac cgtatagggg gagctaacta acgggaaaca tggcaaaggg 360
aggatctgca gagctgtctg aatgatctct tcaatctgaa ttctgtataa ggcacaccac 420
gtaggcagga tgtaacatca t 441

<210> 22331
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A11

<400> 22331

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acatgtgact acaggatgac gctgccagcc ggtcggggat catggacgctc ttcgcgagac 180
tctcgttgct ctccgacctg caatactacg ctcacggagg cacggaagct gaacacaaga 240

tcacgcatag cattacacac aatgatagca gtccttctac gaccgatgtg gtctgcactt 300
 acgacgacat taagcataga tgaccgcaga gggggagcta attatctgga cacattggac 360
 aggtaggatt tgcagagctg 380

<210> 22332
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A2

<400> 22332

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 aggcgggcta cctcgctctc caggtaagg tcgacggccg cgtgcggtgg aaggtcggca 180
 gctggatctc cggccactac cacctcttcg tcacctgccc cgcgttcctc gtcaccgccg 240
 gcggaacgg cgccccggc gcttcgggt tcaggttcca gaccaccag tactgccacg 300
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<210> 22333
 <211> 308
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A3

<400> 22333

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 taacgtcggc ctccgtccgt tctgactgcc catccaccga gcactggacc gacgatccga 120
 gtccacatga aatccttctc ttctgcaagg ttgactgacc gtatgctat gctagctcag 180
 aacntagagt accaaatcat ggcaagggaac tgctcagtgc acggagttct gatctgcgat 240
 cgcttttgcc cgaactggc gcgctgatga gtgcacatgc gtctgattct gagtcaggaa 300
 aacatgat 308

<210> 22334

<211> 344
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-A4

 <400> 22334

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 cccatcccat tccccacgcaa aggcaccgag cgtgatctcc gtccgtgccg ccatggcctc 120
 gcaccggggcg ctgctgctgc tgctcctcgc cgccgcgctc gtcgctgcgc tggccgctgt 180
 cgcatacgcc gacgacgcca acgccaagcc caccatcctg acccccgtgg cgcatacccc 240
 gctgggggtcc ttcgacggcg acaagccggc ctctgacgac gacgccgtcg acgacgacga 300
 ggaacgccgc cctgtcggcg cgcccaacgg ggccaccatg actg 344

<210> 22335
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-A5

 <400> 22335

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 gctcactcac cacgtctttg tctgaccaac tctctctctc tcttatctcc ttccaagatt 180
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 tcgctccagt acgcctgttt tccagctccg gagatcccat ctcggccacc tcctgcggtc 300
 tccaagctcc aagaggccag attccagcac aaatttgagg tcaatttgcc cgctgagctc 360
 gaatcaatcc gctcggcaac aagtgtcatt tgttcccccg atccccgggc ttcgattcga 420
 tcg 423

<210> 22336
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-A6

<400> 22336

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cagccttcgt gtccatgtgc tacccttctt caggttctac agaggagcac agggacgact 120

ctgcagcttc agctgtacaa acgcaactat taagaagttc aaggatgcac ttgcgaagca 180

caagccagat agatgtagct ttggcccaac ccgggggcta gacgaatcgg agttattagc 240

cttggcagca aacaaggaac tgcagttcac ctacaccagg gagccagaac tgactcccag 300

gggagatacc cccggggagg tcattgctcc cgagcccga aagcttcctg ccgctacaaa 360

gcctttggtc aagctggggt c 381

<210> 22337

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A7

<400> 22337

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caacaatctg ttccggccgc caaacaaaac caaaaaaaaa acacactgaa cccaataatc 120

cgatcccaca gaaacttttc tctcggtccg ttcgatcgat cgctgccgtg tcgtttgccca 180

gacaccatca gcacccaaaa ccatggcctg caacctggct cagtgcgcca ccgccgccgc 240

ggcgaccgtc gcgccccgca cccctcgccc tgctgcgtcc gcgtccgtct ccttctccgc 300

gaggaagccg gcggggcgga gcctgcggct gcagcggcag gcgtgctgcg agccgtcggt 360

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<210> 22338

<211> 509

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-E1-H3

<400> 22338

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actagatcta ccccccggtc taccacccat cgaaccaaac cgggacgaaa gctgaaacgt 180
 aaaatcccca gacggaacgt agactcctcg actcctaccc ggccgtcttc ctagcgaagt 240
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<210> 22339
 <211> 491
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-G11
 <400> 22339

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 cgaatacttc gacgataaac acgatagtat cgtctctttc gcgacaagta acaccataac 360
 taaggacgcc gccggtgcca ataccggggc cgtcggcaca ccggaagggt acctagggga 420
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 gaaccgccta t 491

<210> 22340
 <211> 134
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-G2
 <400> 22340

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attgccctcc ggct 134

<210> 22341
<211> 479
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G3

<400> 22341

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tggtggttct atgttgcgga ctacgcctag gttcgagaat tatattatgt tccatttggt 180
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gagtcggggg tctaaatccg cttactttga gcgaaatagt accaacaacg aaaagaacac 360
tcccccaac ggctgaaaa aaaaaaaaaa aaaaggggtg ttgtctcaga ggacttaagt 420
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<210> 22342
<211> 495
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G4

<400> 22342

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gctaagagga atataacacg tttagtagct tcataaagca agcgacatac ctttcctaa 300
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ttgacgggta gccgctacgc tttgtaacgt cggccctatc ctctaggcag cggagtccga 420

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aatggtcggt atacg 495

<210> 22343
<211> 506
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G5

<400> 22343

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ctgcgtacgg cgagaaggaa gagctaaagg gtactgacgt gaaagtgcct gggttcggcg 180
ggcttcctga tactattaag cggggtgttc ttggtaacgg taagatagat agtatgaagg 240
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ttaagggtga tccttcgct ggataatcta atcctatagg tttccgtaag ggtgatgcga 360
ttacttaggc ggacggtaac tcgctgggtga ttatggattc aagttagcat aaggaatacg 420
gcaaccggac tgagacctca tgtgcggaca attcggctac tattggtgtaag ggaaattccg 480
atgggtaggg tttacttgcg cggagt 506

<210> 22344
<211> 489
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G6

<400> 22344

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ctcgtagggtg ggggagttgt ggtggcggtg gagactcgta cgaagatctt gctttttgat 180
tcgcgtatta ggatgggtggg gaagtatgtt aataagcata aggcggcgga tgtggcgatg 240
gcgtcagaga cgtaggcgga tgtgcctaag aagtgtgcga agtggtgtg gaggtctgtt 300
aaggaggagg ctaagatggt tgtgatgttt gaggtgtgga ggggtgcgaa ttctcgtaag 360

attcatcatt cggatgttgc tgataattct ggtgttcgta agtgtgttac tggtccttgt 420
gatgttgcta ttacttgtgt tatgacgagt acggcgggtgt aggatatgta gaatcgtgat 480
gaggagcct 489

<210> 22345
<211> 501
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G7

<400> 22345

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tgaattgaat ttaaataata ggactatgac tgagaagtcg gctgagtatt ttcggcctaa 180
gaaggggcat aggttggttg ctacgtcggg atagttgtat ggtcttagta gttctaagga 240
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gcctacgatt tagaaattgg tgctggtgac agcgctaaag tcggagtaga ctgtcgagat 480
agagtgtcct acggcgaaga a 501

<210> 22346
<211> 505
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G8

<400> 22346

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tcccgccttt acttacgtcg atgtattcgt gtcattgtacc ttgcgtcgaa acttcctttc 120
gtttcaaacc ttgctgacgg aagcttgaag ggagtataga gcagaggcga aacctacgtt 180
aatctacgtt aatctgcctc agttgcggag ttgtgtttga ggaggattgt cgcgggtcgt 240
tgaggttggt tggccgggta tgtgttgtgc cgggacgtac ggccgtcggg gttagattgt 300

gtttgttttc gtgttgact tgaggtgag gttgtgtttc cgtttgagg tagagtagcc 360
 tgtcgtctgc ggttatgtgg aggttgagtg ggttcgttcg tgtgtgttgg gcggtgaggt 420
 tgaatatcat ctatactgc gcatactag ctgtcgggga gttaggcggg gccttagatt 480
 acggcgctta ctgtgatgtc gagct 505

<210> 22347
 <211> 410
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-032-Q1-E1-G9

<400> 22347

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 tttaggtaag acttaccgac tgacggagtc gtccttctcg tctatgcggg cttcttccgt 180
 gtatgtttcg gttcgttcgg ttcggatggg tgttgtgtgg tgttggtagc tctggcgctca 240
 ttcttcggat catgctcggt ataagtttag tgatgattgt aagtcgctta tggagatggg 300
 tggtaatgcg acttagtgta atgtgtgggc ggggtctatt gatcattgtc cttcctcntg 360
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<210> 22348
 <211> 486
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 22348

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 aattgctgcg tttcttgcga gtcttcacct cgctgtttcg gcgtctctta gcatactagt 180
 ggcgcgactt ctctgagga gatttcgcat tagaagatta aggacggtaa gttccccgcc 240
 gacgcttcta aggagggagg tgcttctttc ggtactaagg ccgataaggg tattaccgag 300

Sequence 1

gccgccgcta tcgacaagga gattattatt taagggttacg atgattccgg taagtgtcgt 360
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<210> 22349
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H10

<400> 22349

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 cctaacctac attttcggac tatttcacct ccgcgacgct ttgacggccg aagagggttac 180
 agattttact cgtaatagtt atggaatatt attagacgag aagaccgtta ctattaacgt 240
 caccacaaac gcacttaacg gacttaagtt tatatctccc gtcgggtacta cagtatccgc 300
 gacgagtact gtactgacgg cttgctcgat ttgtagtacg acgctcggga aggcctctgg 360
 agtcgttaca ggcggagtca tttcc 385

<210> 22350
 <211> 491
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-E1-H11

<400> 22350

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 cgttgatggt gtatctgttt ttgggtcttc tttgttcttt agactctgtc tgtctgggtgt 180
 tagccgttct gtagccccga ctactctaca ttctggtgaa gacgagggag acttcgtata 240
 cttagggagg gtaacgcggg aattagaccg gtgttaagcc tcgggaggcg gcgcgtgacg 300

aatacggtag cgatttcatt ggggtggcata tgggtaacct tgattcctag ccggagtgcg 360
ccaacgctca tcataacgaa gttcntcgtg gatgtcccg cttttgtgtc gcctctacgg 420
actccgagtt cgggataacg gatagcgctt ggattggatt tcacgggtag actccttgct 480
cgataatccc g 491

<210> 22351
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H12

<400> 22351

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cctcttggtta ttgatgttaa gaggaatgtt agggatcggt acgcggtgac ttctgtttgc 120
tccttaactg ggcccgttgc gccttctgct tattcgggtta ttactttcac tattggtatt 180
ggtactaatt ttgtgtggag ttccgggtgtt gttgcgaccc ataattagta ttacgttcgg 240
gtcgattatc ggactcctcg ggctgggtttt cctactgggtg tcgtgtcggg cgttactcat 300
tattaggcga ctactagggt aactttgcct aagagcaggc tccaaggagg ttgacgtcgt 360
cgtcctgaga cgactttggt tccaaaggac cggactgcgg tcgcc 405

<210> 22352
<211> 518
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-H2

<400> 22352

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agccctatcg cgtaccggac acgcaatccc tcggcgggat cccccccctc ggagtcgcgcg 120
aataagcccg gggccggagt agctcacgta ggccccggcg gggctctttc gtcgatagta 180
tctcccgttc ataaccctac agccgaaata aaaggatgcc tgtccgagga aaccgagacg 240
cttccgagta gcgtcathtt cggttaagtaa gagcagaata ctctaaccgc acggataaat 300
cgaataatcg atgggaggaa cccaacaaga gtagaggggg ttcaacttta cgaactccta 360

gtagtagtag cccgccgtaa ataatactaa tcttcacaga caacgagtat aactaaacct 420
 agtccccctcc cggcagtagc agaactgccg cataacacca aaaagggcga agaaaacgtt 480
 ttccccaaac ccgccccccc gcataactcga cgcacaca 518

<210> 22353
 <211> 282
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-G10

<400> 22353

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 atattgcgag tgtcgagacc cggagagcgt tattgagtaa accttcgggg gtgctaataa 180
 actggagtct ggacgggacg tttgcggtat tggcgtgttt tacctgcata cgcggttcgg 240
 tcgcgataac atgataactc ggggtggtgaa ccgtcggcta gc 282

<210> 22354
 <211> 468
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-E5

<400> 22354

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 agttttgttg gaagatgaga ataaggagaa agagtggtag tcggttaagg agaaggtgca 120
 tgtggtggag aaggctgctt agtaggagac gtctaagcat gttaaggaga agggctcggc 180
 gcttttgatt aatggatatgg ggcggcatag gggactgtt tgggagcctg cggtatgttta 240
 taatgagtct tgtgtgtgtc atggtgcgtt cgttacgaag cgcgataatt agtcggtgtg 300
 gtaggtgtgg tgtcggctta atgttacgtg taaggatcgt tagacttctt atagtgggta 360
 tgagcatggt cagagtgcgc ctaggagtcg tgatgatcgg aatgttattg ttagggaggt 420
 tgctcctcgg cggggtaagg aggagggttac tcatgataag gataagga 468

<210> 22355

<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-E6

<400> 22355

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taccaccccc acggtattcg ccgttgccaa agacttacgg atatgcatag cattaacata 120
cgaactccta tagcctatac aaaacaacct cgtcgatccg cgaataaagt aaatacaaca 180
acctaaccgg gaaatacgca actcgatcaa gacacagccg gactataagg atacggctta 240
cgacagcggtt acttatcatc acggttaagt ttccgctatc gctctcctag atcccattgc 300
gaagactgct aataccggcg tcgtaaacgt tttacttcag gcatccctaa tgtcaagcgg 360
ttatcacggc ttcgcgcggt gcgccgtccg catttacgta aagcac 406

<210> 22356
<211> 501
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-E7

<400> 22356

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actcacatcg tacggcatcc cacacaaacc atcccgaccg cacataccac tcaaacaaca 180
tatcaaaggc aaaaaaatga cccccccacg aacctagcca acctgcacac acataaaaac 240
aaagcaagaa acgcgaccaa gcccgaaacg ccagcccat gaccgcggtta tccggccccac 300
gaacactcgc gcacgcatcc ccaagagcaa aataatagta cgccaagggt caagcgtact 360
caagccacct cacaccacc gactacaacc aataacaaaa tatgaggagg tcgtaaaccg 420
ccctaccacc cctcctcctg cttgacgcag tactttaccc acgcgcgtct ctctttccac 480
cccgccgaca aacaacaaaa a 501

<210> 22357
<211> 498
<212> DNA

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 atgtggtgga tgtgtattgg atggattcga cgattactat gtggtatgcg tcgaatgagt 180
 agagttggaa ttttgagctt tgtggtgac ctattacttc gtctctttat actgcttctg 240
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 ttggtgagat taatgcgtac ggagaggagt agaagaagtc ggatgcttcg cttaatgagg 360
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<210> 22360
 <211> 496
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F2

<400> 22360

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 tgccttaggt ttcatttgtc cttctctgtg ttggttcccg gggctctctat ttcgagtggc 180
 aggaacttgt acggtcttag cggggcggtta gaagtactta agctgccggt gggagattgg 240
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 gaaagggagg tggacgatgc ggatgcgaag acctgctgac ctgatggtct tgatactcgt 360
 tttgagtgtc gtgatgctgg tattattatt gctgttgact ctaaggactg tgcagctgat 420
 gatcgggtta aagacggatt caccacttta aaggctgtca gcgacgctaa atcaacaagt 480
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<210> 22361
 <211> 513
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-032-Q1-E1-F3

<400> 22361

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<210> 22362
 <211> 505
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-E1-F5

 <400> 22362

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 actcacggga tactagcggg aaatatccca aaaggactca cgggatacta gcgtacccta 420
 agttactact tcctacggcg tagattcaca attaaagcac tagaccccc cactagacct 480
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<210> 22363
 <211> 480
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-E1-F6

<400> 22363

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ctgggcgttc cgggtgaacgt tcccgtactt caatattcaa agcgggtggat accgtgcgag 180

gtcggtccta tagagtagtg agcattgttt gttattagag gcggaaggac aacgagttgt 240

cacgtctcag gttaaccagg gaatacgcgt ttctcacggc agattatcac tccccaaaca 300

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggt tggttgtctc agaggactta 360

agtccatgca tgtgcgtacg tgatgtaca gtctctcac agcgtattc aaacctaacc 420

tatcggttgc tgcccataa tgctgcgac gggaaaattt cggtgccatt taatccaact 480

<210> 22364

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<212> DNA

<213> Zea mays

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<210> 22365

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-F8

<400> 22365

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<210> 22366
<211> 393
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-032-Q1-E1-F9
<400> 22366

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<210> 22367
<211> 418
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-032-Q1-E1-G1
<400> 22367

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cccccccaa aaaaagaccc aacccaaaag gggcaaaacg ttaaaaaatt cgggggcaaa 240
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 aacgcaaaa aacgccccca aacgcagcga aaacaccccc ggcgaaaaac ctttcccaaa 360
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<210> 22368
 <211> 485
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-E4
 <400> 22368

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 acagcaaaac cttcacagga cagaatgcat atagggcgca tataccacac acgaacgaaa 180
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<210> 22369
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-D3
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 aggatattgt gaga 374

<210> 22370
 <211> 515
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-D4
 <400> 22370

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 gaccatcact cctgactcga aatctcgaca agtagaaccg aagataaatg actgggcatc 240
 cggggaacac ggaaccaccc catcgacggc ccattcagca tccgttcatt agttaggtgt 300
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 caaacctcat cttaagcaca cgccgggact atgcaagtcg gcgtccgatt tatacctaata 420
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 <211> 499
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 <223> Clone ID: LIB3066-032-Q1-E1-D5
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<210> 22372
 <211> 498
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-D6
 <400> 22372

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 aaaaaaaaa aggggtggtt tctcagagga ctttaagtcca tgcattgtgc tacgtgatgc 180
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<210> 22373
 <211> 295
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-D7
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 ctgcaacgac gaccgaagcg acgtcacctc cgatgcagag gacgtttcaa ccgacgtcga 180
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<210> 22374
<211> 504
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D8

<400> 22374

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tactaacggt cgacttaaag acctagaacg tctccgaaa ctccaaggag cccgtaattc 300
cccaagagc ttctggaagt cacttcataa acgcgaacga attccagaaa atatcgtaga 360
ccatacgacg gaccagtagg aacggatgaa acggcccag cggcctctc gagtaggccg 420
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<210> 22375
<211> 444
<212> DNA
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<223> Clone ID: LIB3066-032-Q1-E1-D9

<400> 22375

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gcttcctcat tgtgttggtg ctggtgagcc tgctgttatt ccttctcctt ctcatactct 180
tacttctatt gctacgggtg ctcttaagct tattcttaag cgtgttattg ctggtactta 240
gggtactgtt cggcttcctg gtggtacgac tcctgtttct gctcatcgta ttgctggtac 300
tcttggtggg tataactaatt tgggtggcat tcctgggtcg ccttcggtga ggaagccgct 360
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444

<210> 22376

<211> 499

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<400> 22376

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gctgatccgg aagatgctat tcgtattgtc gcctttacac accaccgacg cgactcgaca 180
cgaccacaca cgtacggcga tgggcccacg acaaccttac agatacaacc caacccaacc 240
cacgcacccg cgctaagctg cctcgcaact acgtgacgaa acacacgacc cggccccctta 300
ccgccccgaa aaaaaaaga atccccaaaa gtaaaataaa tagaacgaaa aaaaagggtg 360
gttgtctcag aggacttaag tccatgcatg tgcgtacgtg atgctacagt ctctcacag 420
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<210> 22377

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-E10

<400> 22377

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ggcgcggtgc ggctttccgc tcgggaactg ctccgccgcc gtctcgcgga attgccgcct 180
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cctcgccagg gactcgcgga agtacgaaat ctactggaa aacgctgcac gaatccccgg 300
tgtctaagcc gatgcgtacg atattaagac gcatactccc ctcttcgtaa ttaccgctgt 360
cctggaccga ctaggattgg cggacttaag accata 396

<210> 22378
 <211> 481
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-032-Q1-E1-E11

 <400> 22378

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<210> 22379
 <211> 322
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-E1-E12

 <400> 22379

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 ctaagggttaa ggcgaaggag ctgcctaata acggaagga gtctattagt aatgtttcgg 180
 tgtctactga gaaggggcta ctgtcttctc ttgcgtcaaa ggggtggtctg aaatcatcgc 240
 cgtctgagga ggaggagaa ttggtgtaag ttcggttcgt atctgataag gatgggtactt 300
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<210> 22380
 <211> 518

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<212>      DNA
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<223>      Clone ID: LIB3066-032-Q1-E1-E2

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tgcaggaacg ggagtagaaa ttaggaggag gagatggcat ctgttttaaa gctcttgcta  180
attcactcaa ctgccagctg ctagctcccc agatgggaag agagactacc cgggtataga  240
gatgaaggtc catcgtagcg ttactgtcag agtcgttact aagcataagc aggtaaacct  300
gctaattccag cgcgctttac gccgccccct ccagctgctt gtcgtcgcag gtcccttggt  360
ggtaggtgcc cgcgcggcgc gtacttgccg ttacgttcgc gtgcgtgcgc ttgtgtccgc  420
tgcggtgctc cgctgctgtg ccggtgctgc tctcctgcgt cttttgcgcg ccgccgcaaa  480
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<210>      22381
<211>      492
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-032-Q1-E1-E3

<400>      22381

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tccgaaccaa cggaaaattg cggataaggc ctccttatct cctccaaaga gacgggcctt  300
aggcgtattt ggtaagaaaa agccgcgaat ctgtacggcc cctctacgtt aacgccgttt  360
tataccctc cttttgcgcc cccctcggtg attagaccgg aagggtcccct ttaagagcta  420
tggctccgaa tctcacacgg cacttgtgga acaactaccg cattcgaact acacatcgta  480
acgcggtagc cc                               492

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<210> 22382
 <211> 506
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-E1-D2

 <400> 22382

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 cttctgtatg tctcttgact taagacgcac aagtcgggga gaggaattg tgataaggcg 180
 tagtagccta cgattacat tgggtgttagc gagaaggccg tttcctaggt atcgaaagtc 240
 agcgaccggt atccggaagg agtccccgat cctcctcaca gttaattcta ggccctcgcg 300
 gctaacatct ggtactccga agacaccct aatagacaca aagaattcga cgtcgacacg 360
 acaacggcgg aaggaacact ctaaccccg aacgactcat aggccgactt ctaggacacc 420
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<210> 22383
 <211> 262
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-E1-C1

 <400> 22383

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 tgcagtgttc ggcacgagtt ctgcggagaa gtaacggta gcttatgggg tctacatcct 180
 agtgtcgtag tgtccggcat ctggattctg gtctgaggta cccctctcat tttcctccat 240
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 <211> 495
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-032-Q1-E1-C10

<400> 22384

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ccacgtagat ccggtcaaca agtcacctag agtcagtttc ntaaccgctc caagatagcg 420
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<210> 22385

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C11

<400> 22385

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<210> 22386

<211> 487

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-C2

<400> 22386

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 <211> 474
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-C5
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<210> 22390
 <211> 474
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<212> DNA
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<223> Clone ID: LIB3066-032-Q1-E1-C7
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<211> 507
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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<210> 22393
<211> 464
<212> DNA
<213> Zea mays
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<400> 22393

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acccccctac ttcgcactgg cacttccccg tcgcatgctt gcctcatatt acgttccgcc 300
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<210> 22394
<211> 172
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-032-Q1-E1-D1
<400> 22394

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172

<210> 22395

<211> 390

<212> DNA

<213> Zea mays

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<400> 22395

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<210> 22396

<211> 490

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-D11

<400> 22396

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<210> 22397
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B9

<400> 22397

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<210> 22398
 <211> 328
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A3

<400> 22398

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 tcgtttactt attgatatat cggattgaat gacctagaca tatacgaac tccctctctt 180
 cgtagggccg acggagttgc actgcacgac actgctagat attagcgagt cattaaaact 240
 acggggaagg agatcgtcta gcggattatt ctctgactcg tgattgtccc cggttgaatc 300
 ggctgtgtcg acgagcgtat acgtgctc 328

<210> 22399
 <211> 514

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A4

<400> 22399

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 attgagtgcg actcttgctt gcgttggttac ggttctgtat tgggtgtcgt cgctcgtcgtc 180
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 gttggttctc gatgatgatg ttgctgatga tgatgaggat gttgctttcg ctggtgtggt 360
 taatgggggtt attacgatcg agtttaggga tgatgctttt gctttgtttg gtgttgaaagt 420
 aattgtgggt ggtgttgctg ctagtaatgt gtttgctgta tctgttagtg ttgtggtgtg 480
 tgctcgtgtt gctgctgtgg ctgttggtgg agtt 514

<210> 22400
 <211> 505
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A5

<400> 22400

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 tgggtgcgggg tccgtatgtt ggtttcattt ttagtctatc tattatgtct ccgctcgatt 180
 aatctctctc tctctccact cttccttaag acctttttac cccccgcgcg ccgctttttt 240
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 tatagaccgc aggctaacc gtttgctgag tctgaactaa cttgtctggt aataagcgct 420
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 cgcgcgcgcc caattcctct ctgtc 505

<210> 22401
<211> 503
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A6

<400> 22401

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tctctctagg cctcatagag gagtataggg atgatctcgt agtcctagtc gcataaatgt 180
aatcaccaag aagcctaagg acgtatccgt gaagtataag ttagacagac gcagtcccg 240
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gcctattcat attagggagt tagaatcgat ctttagggga gacatttttg gggaggctac 360
cgtctttgag tttgtaaagt ccttcgttgt cataaagttc ccggctaagt cggggctgga 420
ggaaaggcta ccggctctct taggaagacg agatggcttg acgtccttgc ctgcacagc 480
cttacggcct cggacgcgca tag 503

<210> 22402
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A7

<400> 22402

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ttcttaacct tttcttcac ttaataagg taataataac tcgccttggg tgttaataa 120
aattaaaaaa aaaatatatc gaatttaaca acttgacttt atagaaatcc cctctctggc 180
ttgcctgact gactgtcgtt gcgctgccc ttacatatta ctagtattta aaattacgg 240
tcgtaattcg gtctagcgtg ttattgctgc tgtggtgatt gctgtgtttt gtattttctg 300
tttcgtcgtg cttgtgcttg ctcttcctca tgtgaggaag ttgggtgggtg gtagttcgtg 360
gtcgtagtgg taggtgcgtc gtcagttgct ggcgggtgtt ctgtggg 407

<210> 22403
<211> 416

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A8

<400> 22403

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 tggttgattc cctccgcccc cccctgggat aagggtttta taacacggct agcgtaccaa 120
 cacacacagt ggtgcaaata ggctgactg ctggagagcc tatacgaact aatactgtaa 180
 catctatata tatatcgctc taatcgggtga tcgggtgctg cgaagtgact aaaatcgatt 240
 tacgacggaa acatcggcaa taccaatgcc taataagtga cgaatcgaca gacaccacga 300
 cgcactatcg tgggatttga ggaaggaata tgtgtgtagg tggtttcgta gatggaggag 360
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<210> 22404
 <211> 230
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B1

<400> 22404

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 attactaatt tcaatacacc aagggatcga ttcaacctat attttgaaac caattggccg 180
 gaaggaactg cctacctttt gggttaagct gtaatttagt accccttgga 230

<210> 22405
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B10

<400> 22405

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 aacgtagtac tcgagcctct ccctttaaaa tgcgctgtc gacacacttc cacgttccga 120
 cagcgtctcc tggcgccac cgagcctctc tagtacgcca aaaaaaaaaa cgaaaaaggg 180

tggttgtctc agaggactta agtccatgca tgtgcgtacg tcatgctaca gtctcctcac 240
agcgctattc aaacctaacc tateggttgc tgccccataa tgcttagatc gggaaaattt 300
cggtgccatt taatccaact gttccgtaat atactttttc cctgctagtc ggtgctacag 360
taaagaggct tgtattgact gtttccctta atagccgtgt cattcgaacg gtgaacggga 420
tctgt 425

<210> 22406
<211> 344
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B11

<400> 22406

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tttctagtgt ggataaagtt ttggtagagc tattgaagga aggtagcgtc gttaaggtat 180
tcgagctcga taagagaatc gtcgtttttg tcgaagtatt tgaagttgta cctatatatg 240
ctgctgttgt cgttttactg ttgggtgcaca cgaagctcgg cgtagtcatt gagttagtta 300
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<210> 22407
<211> 501
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-032-Q1-E1-B2

<400> 22407

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atgtgcgggt ggatgtgcgg gtggatgtgc ggggtggatgt gcgggtggat gtgcgggtgg 120
atgtgcgggg tgtatattat tgtacggaac cgtctctgat gtttgaccga gttgagtgac 180
gcgagagacc gggagattac gtttctcttt tgttattacg gacctttgtt cgcgcggtta 240
atcgggtatc ggaggacggt cccggtgtcc tattggctaa tcgggactac gtttaggggt 300

Sequence

tgcgggacga cgtgagcccg gtcgggagaa cggagtcttg ttgtaggggt gtacgttgct 360
 gcgatcagtt acgttattgn tccttttgtc gtgtgaggat ctgcgctact cgaaaagtaa 420
 gccggcattc ggacctctaa gcgttaggag aagaataggc ggcctaggag gagttataag 480
 gtgaggagca cgactcgact c 501

<210> 22408
 <211> 326
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-B3
 <400> 22408

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 aaaatacaaa tagatataaa aatgggatat acggataaat atacgggata gatctacgga 120
 atgtatatta aatgtacgga accgtctctg atgtttgacc gacttgagtg acgcgagaga 180
 cctgcagatt acgtttcact ttagttatta ccgacctttg ttcgcgcggt taatcgggta 240
 tgcaggagc gtccccgtgt cctattggct aatcgggact acgttttagag ttttcgggac 300
 gacattagcc ccctcggtag aacgga 326

<210> 22409
 <211> 503
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-032-Q1-E1-B4
 <400> 22409

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 cggagcgagg actgttgacg ctgatggctc ttaggtgttt tccttgaggt tgtggtgttt 180
 tgtttttcgg tattggcat gcctgttggt gttttgtttt cgttttaggt tttgttgatc 240
 gtgttaagat ttcgtgtaag tttgctccta ttattgctga ttagtcgtgt ttttagatgt 300
 atggctatat ttctattgct tgtgctactc ttgtttgtat tgcttctgat aagtttccta 360
 tgtatactgg ttgtatttgt gctgtagagc gttctgctgg agatagtatt ggtattgctt 420

ctgctattgc ttgtaatgaa taggccgatt cctcgaagtt agacataata gcgactcctt 480
gtaatgtcaa gaccgatacg cct 503

<210> 22410
<211> 487
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B5

<400> 22410

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gtaggctggt tctgtacctc ttgttggtac tctggttctt gattctgatt ccgttcctta 180
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ggttgttgac tctgtgtgtg tagaggagga ttgttgatg gttgagggtc gttgagttgc 360
taatgtttga gttgctgcta atgtttgtgc tgctgtgat gatgtttctc ctgtttgtga 420
ttctgtcgtt acttttgagg aatagcggga ttatgatggt gatcatcctg agtgttttgc 480
tgagctt 487

<210> 22411
<211> 227
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B6

<400> 22411

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tgcggcgtcg tcccgggtggg gttgaactgc tatgttggtg ctcaatcggg atgtctcgcg 180
gtcattgaga ttgtttcggc gctgcgctac cgtagtagaa tgtgtgg 227

<210> 22412
<211> 505
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-B8

<400> 22412

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cgcagtccgg gagataatcg aagaaatacc tataaagtac ccctagaagc acggagtcac 180

aatcgacctc gcgactacga aggataagta catcaggacg ttctgtggac ccggacccgc 240

catacccctt gacttactcg cgtccgatag ggcctcagag gacgaatacg ctacagacgg 300

aagaatagcc gaagctaaaa ggatcgctt aaaagaggaa acgctactga aagatggctt 360

caagataaaa aagactcccg cgggcggcac cttattactc tccattgaag acaaaccaaa 420

ggagtatcct ctactgcacg ggaaggcggc cgagtactag accacgtccg attacagtat 480

cggatgtcta tgcgggtcccg gaccc 505

<210> 22413

<211> 504

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A2

<400> 22413

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cctgctattc gttttgtgcc ttctgctatt gttggtggta atggtgtttt tgggtgcctt 300

gggcctaggc cttagattat tatgcatcgt tatgctgagg cccaaccagg agtgagagga 360

agtagagatt acggtcattc tctcagtcgt cgtcttcgtt gccgttcggc gcggcaacaa 420

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cgacgtggga cgcaaaggag gggc 504

<210> 22414

<211> 236
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-G5

 <400> 22414

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 cgtgttccgg ctcaagtaca cggtcgacta ggcgagcacg atcatgtaca cgaagatgtc 120
 cgtgtagtgc gccaaagtgt gaacgcttgt acaggaggac cttaactacc agttcatcaa 180
 cgtcatcctc aaccagatgg acttcaacgc gactgtcaac cggaacgtca ataacg 236

<210> 22415
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-G6

 <400> 22415

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 ctcgcaacca tggcgggcggc agcaggcgga ggcgcggtgc gtgctctgtc ccagaaggag 180
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 aagacatggg ataaactcca gcttgcagcg agggttatcg ttgccatcga gaaccgcgag 360
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<210> 22416
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-G7

 <400> 22416

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<210> 22417
 <211> 346
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G8

<400> 22417

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 ggtcgaggtc gccaaccaac ttaaccgtgc agtccacaga tccgtcgaga aggaggacat 180
 tggcacgagg cgggagatga tggggacgac gactaggaag tctaagttca gcgggccgtg 240
 cagggcgacg aaccgatcg accggcgctg gcagtgccgg caggactgcg cgacggaccg 300
 gaagcgcttg gcgcggtgcg ccaaggcggt ctggcgcaac atcacc 346

<210> 22418
 <211> 271
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G9

<400> 22418

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 agaaaaaagt aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataa 120
 aaaaaatgaa aaaaaaata aaaaagaaca gcctttttta aggactaaat ttaatgaaat 180
 tttcattcaa aggacataat attaatttag ggccgcctaa attcaattaa gttacctaga 240
 ttaaaaaact ctttcattgt aaataatctg g 271

<210> 22419
 <211> 387
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H10

<400> 22419

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atagtccttg ctacagatga tttgaagtgt tgttgcaagt ttccggaaca tgctatttag 180

ctggcttgat tttatagtca atgctgaata ataaatactt tttacgacaa ttgtcttttt 240

cgttgctaata tgcactcgcc ctacctgaat cagtcatgtg aacatcatgg aatgcttcag 300

ttttgtacaa actaaatttg gtgtgctgtc cgacagattc tatgtctggg ccttaaaaat 360

aaaagaataa tgaatggaat ggtttttg 387

<210> 22420

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-K1-H11

<400> 22420

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cgactagata gccagcgacg atcgagccgc gcgccgggtg acgcgacat acacgcggta 120

gcttccttct caagcctagc tagccccatc ctgcgcgcag gcggcggcag cgagaattga 180

cgtgcgacga cgagcttgtg cttgctagct agagagcgag gatgtcgagc cggaggccgt 240

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<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H12

<400> 22421

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 gcggagtccc acttcttgag ctctgtgcag cggttcggca agtcctacaa ggacgccgac 240
 gagcacgcgt accggctgtc cgttttcaag gccaacctgc gccgcgcgcg ccg 293

<210> 22422
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H2

<400> 22422

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 caacaagaac atgcacg 377

<210> 22423
 <211> 320
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H3

<400> 22423

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 gcggcgccag caccacacgc cgcgggcgct gacgccacc cccctcccga caggcacgct 180
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 gcggcccagt tgaggctccc tgggcgcgct ttacgccgac gccgcgtcgc tgccttcgca 300
 gcggacggcg ccggcaattc 320

<210> 22424
 <211> 290
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H5

<400> 22424

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 ctggtggggtt cttcgacatc accaagttgg gcgcctccgg caatggcaag acagacagca 180
 cgaaggctgt gcaggaggca tgggcatcgg cgtgcggcgg cactgggaag cagacaatcc 240
 tcatacccaa gggcgacttc cttgtcggac aactcaactt cacaagccct 290

<210> 22425
 <211> 280
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H6

<400> 22425

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 accagccttc ttctttcttct gcttgggtcg ctgatctcgt tttccattcg tgtccaatcc 180
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<210> 22426
 <211> 289
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H7

<400> 22426

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tagccaaaag catcgctcgtg gtgaaaaagg gagtcgggga ggtagtgaat tacgctcgtcg 180
 tcggtgatct gcgctcgggtgc cagattgtcg tgctcgggtgt ttggctgata ggggtcacca 240
 tcgtccgcgg aagccgttca tggctgtggt tggagtcaag tgcctatgt 289

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 <211> 287
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 <213> Zea mays

<223> unsure at all n locations
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<400> 22427

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 gcgtacgtgc agtccaagga ggcggtgaag gacgtgtcgg tgcccaccag caccatcagg 120
 ttccccgacg ggacgtcccc gctggtggcg ccggcgctgg tgtacgccag cgctgccagg 180
 atggcggacg ccgacgtggg gagccccaac ttcaacctga cgtggaaggt ggacgtggac 240
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-H9

<400> 22428

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 ggccgtcgtc tcccagtcaa ctttggttg ctggaccgtt gtctccttat aatgtaatta 120
 tttatttatt ttgtatagaa ctctgctat gaagtaaaga tgtgacattc gatccaaaaa 180
 aaaaaaata ataaaaaaaa aaaaatatac taaatattta atatgtttt 229

<210> 22429
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A1

<400> 22429

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tctttgtttg ctcttggtga cctacttatt taacaaagca cttaatttca atgacttgga 180

ctgttccatt ttgtgctact tatgtgaacc gacctgacca cttctggacc ccttttgccc 240

ccccgcgggc ccttcaactcc tcctgactgg agcgtcaggg cccgggtgtg tctggcgggt 300

ggtgcatctt agggctactg ccagccgat gggtcagggc gtccctctat tggtggaagg 360

gaagtgaact taaatgacgg agaagaagaa ggcggtgact ttgtcggcgc gttatggcta 420

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<212> DNA

<213> Zea mays

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<400> 22430

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tcgcattagg tgtctgttgc tgtgcttacg cgttcgtagg aggatgtcgt tagttggttg 180

gggactagtg atgctgctgt ggtgtctctt ctttctgttg atttgtaaca tcatttcttt 240

ggagggtatgg aagtcgaata taagagtatg tacagtggga tagataacga cagtagcttc 300

ttcaggattg aaacggctag ggtagatgat gatacgaagt acagacgatt gcagaggggg 360

agtcaaccaa tgggaaatac ggtaaaggga ggaccgtag agtcgctcgc tcgtctctcc 420

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accgatt 487

<210> 22431

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-E1-A11

<400> 22431

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aggtcgtttt taagaggatt caacacgaac cacggcggaa ggcccggagg tggttgcggc 120

ggcagaggac acgacgttcc ggcgggcaaa cgcactaaaa ccagactcgg tttccacaag 180

ggacattgcg gttgcgcaa agaggcgatc ggcgatatctg catgcgcaga gtccgaccta 240

ccgacgaaga ccgctatagc caaaagagac gacaccgtcg atatattcat agctgtgatg 300

ttaccttgcg aattctgcca cctaccgggt ggcgaaatat taacgtattt gctctgaata 360

ttatactacg tccactagat cttaacgtgg ggatttcgga ataataataa actacgacgg 420

aac 423

<210> 22432

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G4

<400> 22432

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tttattttat acggttttctg tttcagataa ccgcggtatta gccatcttgt caaacgatca 120

ggatctaaaa cactggagtc aagatccaac atcgtccatg ttcaaacaac taggccctac 180

ccatcacctt aggggggtcc acattattcg acttgctgca cgggtcctat tcagttgatc 240

accatacagc cctgcatagc ggctcacgcg actcactagc gcggggccca tgcgcccaca 300

acttattacg actcgtcacc aaccaaccaa accaagccac ccagcacgtg cactccaagc 360

gtgtgagctg tgctctgctc tacc 384

<210> 22433

<211> 378

<212> DNA

<213> Zea mays

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<400> 22433

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catggcatca aaacgtatcc tcaaggaatt aaaggacctg caaaaggacc ctccaacgtc 120
atgcagtgtt ggtcctgctg gtgaggatat gttccactgg caggcaacca tcatgggtcc 180
tcctgatagt ccatatgctg gaggtgtttt cttagtgaac attcatttcc ccccgacta 240
ccctttcaag cctccaaagg tatcttttaa gacgaaggtc ttccatccaa acatcaatag 300
taatggaagc atatgtctcg acattcttaa ggagcaatgg agccctgctt tgacaatctc 360
taaggttttg ctttctat 378

<210> 22434
<211> 53
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E8

<400> 22434

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<210> 22435
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E9

<400> 22435

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ggcgtctgca agatccacta cgagaatatc aagatggagg actcagccaa ccccatcttc 120
atcgacatga agtactgccc caacaagttg tgtactgcc aacggcgctc caaggtcacc 180
gtcaaggatg tcaccttcaa gaacatcacc ggcacctcct gcaccccgga ggccgttagc 240
ctgctctgca ctgccaaagg cccatgcacc ggcgtcacca tggatgacgt caacgtcgag 300
tatagcggca ccaacaacaa gaccatggct atatgcacca acgccaagg cagcaccaaa 360
gggtgcgcta aggggcttgc atgcttctag acccttcac gactgaccca tctctttagg 420
tataatTTTT ctc 433

<210> 22436
<211> 414
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-K1-F1

<400> 22436

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gctacggcgt tcagagaccc cctgggtctaa gtctaacaac agcccagacg aaattcacgt 180

cgctccggcc gttgcgcct tcggtcgtcc cttcccatgc ctacggcgcg ccgntcacg 240

gacccgtcac cgtctttcac ccgtcagctc ctcccggtgc gttccagcg agcaattctg 300

gcggtcctgg cagcagcgac gcggtgttgg agatcgagag cgtgaggtgg agcgtggtgg 360

gatcgaagcc tgagggctcg gagcgtctga ggagctgcaa aagggcagca gaga 414

<210> 22437

<211> 336

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-K1-F10

<400> 22437

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tggacgggta cgctgcggcg ctcggaagga agacgacggc gacgtgttgg gccgtcggcc 120

cgacgtgcgc ctntctctcc ggtggcctgg acgcgggcgc gaacggccgc cgcggaacc 180

gcgccgacgt cgacgtcggc ctctctctgt cgtggctega cgctcgccg gcggcgtccg 240

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gcccgggcct tgnagggttc cgcccgccg ttcgtc 336

<210> 22438

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-K1-F12

<400> 22438

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 ggaccttccc tagcggcggc gcctaccaac ctcaaggagc gatggctctg tctgcgacgc 120
 tacggatttc tcttagcgtc gcgttctttg gggttctggc gttcgtgctt ggtgtcatcg 180
 ccgaaaacaa aaagcctgct tccgggactc ctatcctagg aaaggatgct gtcattctgca 240
 cgtttccaag tgatccgact cttgcgatgg ggagcctgtc cattgtggca cttgtggtag 300
 ctgccatcgt angccatggt gccatcttct ttccatactt gngcaaagtc agttcctcgt 360
 ggagcgctgt ttcaaagcac cagcttgata agtgtctttg gtgggtgctg 409

<210> 22439
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-F2
 <400> 22439

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 gatggactcc atcgccgacc tgggactgga ggtcaccaac gtcaacgtca cctcccacga 120
 gagcctcgtc ctcaacgtct tccgcgccgc caggcgggac aatgaggtgg cagtgcaggc 180
 ggacagactg agggactcgc tgctggaggt gatgcgggag ccgtacggcg tatggctcgtc 240
 gtcggcgccg cccgtgggga tgagcggcag cggcatcgcc gacgtgaagc atgacagcgt 300
 ggacatgaag ctcgatggca tcatcgacgg gcaggcggca ccgagcgctg cagtgggggt 360
 ttcagaggat cactacggcg gctacaacca tctnctcaa tacctcgctt gatcattatt 420
 taattgcgtt cggtcatggt gaaagttcga tcaaact 457

<210> 22440
 <211> 226
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-F3
 <400> 22440

aaaaaaacaa gaaaaaaaaa aaaaaaaaaa tttcaatttc aaataaaaaa actacaaaaa 60

aggggactgt ataaaataca tacagacaat aaaagtccgg cgctgtcgct ctttacacct. 120
cacgtttacc tacatctgat tccaacgctt tatectttct ctaccttaac ctaattcaat 180
tttactatcc cgacaattac aacactttgc atattcttaa cctttc 226

<210> 22441
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-F4

<400> 22441

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tagatgtact ggaggcatgc aaattctata atgttttgag aggtcaaatt ttacatattg 120
agttgtggac ttggacattt gacaaaaaag agtgaggaaa gaagtgcgct tcagttatta 180
acttgtagt atggctggac atctctcttg agtggatgca cctaatacac tgcaaaatat 240
gtttttaaca aaaagtttgt ttgaccttgt cctgacccat gaccttacat attgccgttc 300
aagtaatccc agcaacaggt ttaacaaccg tgggtggttc caagctggtc gaagccgtgg 360
ccagttccag agctggggga gaggccgtgg tcagttccag agccggggga gaggccgtgc 420
ccagttccaa ggacgaagga gaggc 445

<210> 22442
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-F9

<400> 22442

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tcgacgcaga ggcgcgggcy ctcgcaccac cacaaccacg acccgatggc tttcatgcgc 180
tcccgtcaa atgcatcttc tggcatggga gttgctcta acattagga gacattcgtc 240
gagcttcaaa tgaagaaggc atttccgata tggtatcttc aaaatcgaag agaaagcaaa 300
gcagggtggt gtggaaaaaa caagggtac tactgaaagc ctttatgaat ttttgggcct 360

ttttccagag aatgacttgc gatacgcgct ggattgattt gaattttgta ctggggaaaa 420

<210> 22443
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G1

<400> 22443

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tctacgcctt gagagtgaga aggattaccc ttacactggg agtgaatgaca tatgcaagtt 180
tgacaagtcc atgaatgctg cttcacttca gaactcctgc gttgcgtctg ttgactaggc 240
tcaaactact gctaacctga tcaaacatgg gccataggca ataggcatca atgctgtcta 300
catgcaaaca tacatt 316

<210> 22444
<211> 390
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G10

<400> 22444

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gaagaggatg agcgcgtcca ggttcataaa gtgcgtcacg gtcggggacg gcgccgtcgg 180
caagacctgc atgctcatct cctacacctc caacaccttc cccaccgact atgttccgac 240
agtgtttgat aacttcagtg ccaacgttgt ggttgatggg aacctgtca acctcggcct 300
ctgggacact gcaagtcaag aagattacaa cagactggga accctgagct atcgtggagc 360
tgatgttttt cttctggctt tctcactgat 390

<210> 22445
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G11

<400> 22445

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gacagtggag gtgaacccgc cgaagctgac tttcaaggcg ctggaagagg tcctgaacta 120
ctctgtcaca atcaagtcgg ccaacggcca ggcgcttacc ggccctgtcg agggggagct 180
caagtgggtt tccggcaagt acgtcgtgcg cagcccgatc ctcgtcacta acgaatccgg 240
gccctcgccg gcggagacac gtaaaccgta accctcgata gcagctggca aatgcctact 300
tattacgtac atggtaacga ttagtttgcc atatgagcca gcgcttgaaa tcgatgggat 360
tgtgagcttc attcactttt g 381

<210> 22446

<211> 419

<212> DNA

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<400> 22446

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attgaggaag cttgagaacc agttaacaag aattgccaac atattcttgg acaatcttgt 240
taacagagtt ttaaggtttc ccagcagaga agagcgcgtg caaccaccac attcatataa 300
ttaataagca aggttttagag aagatgcaac atgggcacaa agatgaaaaa agggatcctg 360
aaaccgttcc gctatatctc aaccatcatg gatggtaaag acgcttgaat gcaaaatgg 419

<210> 22447

<211> 470

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E6

<400> 22447

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gaaaagggtt ttgcttcaac aagatttgat gctgttattc attttgctgg actgaaagct 180
gttggagaaa gtgtacaaaa gcctttgctt tattatgacc ataatgttgt tggcacaata 240
aatcttcttg aagtaatggc agctcatgga tgtaagaagt tagtgttctc atcatcagct 300
gcagtttatg ggtcacctaa gaactcacc tgcactgaag attttcctct cactccacat 360
aaccatgatg gcagaaccaa acttatggca gaggagatat gccgtgatat ctaccattca 420
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<210> 22448
<211> 364
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-K1-D1

<400> 22448

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gcggccctgg ccacggcatc agcatcggca gcctagggcg gtacaaggac gagaaggacg 180
tcacggacat caacgtcaag gattgcactc ttaagaagac gatgttcggc gtccgcatca 240
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gtac 364

<210> 22449
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-K1-D11

<400> 22449

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gcgatctcta gtttatatta caattaggag caagcgatcc aattatcgat agagcgcgag 180
atcgatcgat catgccgggc cgctcgggtg tctccatect cctcctcctc ctccatggcc 240
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gcagctgcat gcatttcagt gtgtccccgc cgnctgctcc ggccggaggac gcggatgagc 360
ggcgcgacta tttccgcgcc atgcaagcca aagatctgtt ccggcacgag cagatgatca 420
cgatg 425

<210> 22450
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D2

<400> 22450

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aaggtggccg tggaggaaga tct 383

<210> 22451
<211> 435
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-K1-D3

<400> 22451

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cgccgtcaga ggcgcctcc agcagcagct catccgacta gccgcgcaca acgcagttct 300
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<210> 22452
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D4

<400> 22452

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 tcacccccac cgaggccgcg cacatccagg ccaccgtggc gtgcggggcg aagcacgggc 180
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 agccggagac gttcgccgtg gtggacctgt ccatgatgcg gcaggtgcgc atcgacggca 300
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 gccacttcaa cgggggc 437

<210> 22453
 <211> 180
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D5

<400> 22453

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 agatccaggg gcaccacctc tcggcgggcg gcacgttagg tcacaaccgt gccgcctggg 180

<210> 22454
 <211> 465

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-D6

 <400> 22454

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 gcaagcgctc ggcgggccacc agaacgcgca caagaaggag aggagcgtgg ggtggaacgc 360
 ccacctctac ctcccgcgcg cgcccgcgga caggcgctcg gcgtcggtcg ccggcgccga 420
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<210> 22455
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-D7

 <400> 22455

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 gtctgaccgg gcaaagatgt cgtggcaggc gtacgtggac gagcacctga tgtgcgagat 120
 cgagggccac cacctcgcgg cgggcgccat cgtcggccac gacggtgccg cctgggcgca 180
 gagcacggcg ttgcccagat tcaagaccga ggacatggcc aacatcatga aggacttcga 240
 cgagccaggg cacctcgcgc cgacaggcct gttactcgga cctaccaagt acatggtcac 300
 ccaaggcgag cctggtgccg tcatccgtgg caagaaggga tcaggatgca tcaccgtgaa 360
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<210> 22456
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-D8

<400> 22456

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gcgcacgaca ccgacttctt caccaacgcc ttctggcgctgc ggtccatcaa ggagaacgac 120

aaggagctga tggcgggcgct gtacctgcaa gtgagcatca tcagccaggc gctcatcttc 180

gtgacccggt cccggagctg gtccttcgtg gagcgggccc gcgcgctgct ggtgatcgcc 240

ttcctggcgg cgcagctggg ggcgacgtgc atcgccgtgt acgccaactg ggagttctgc 300

aagatgcagg gcacgggctg gggctggggg ggcgccatct gggcgttcag cgtcgtcacc 360

tacttcccgc tggacgtgct caagttegcc atccgctacg cgctctccgg caaggcctgg 420

aacaacatca acaac 435

<210> 22457

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-D9

<400> 22457

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gggacgcggg gttccttgga ccactatata caggagcgac gaagtgatcc acccgccagc 120

catggagatg aagaatgtcc tctgcgcgcg cctcgtcgcc gccgcctctg ccaccgccgt 180

gctggcctcg gtcgcctccg aggcgccttc cgaggcgccc gccggcgcgg acggtggtgc 240

ggctggccct agcgcaagcg gcgccgacga cgccgacgtg cccgccgtcg gggcgctcgt 300

cgctgtcttc ctgcctact accttcactg aacgacgaca cgcggtgcgg gaaacctttg 360

gatgcatcga gtttggttca tt 382

<210> 22458

<211> 282

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E1

<400> 22458

cccacgcgtc cgcccacgcg tccgagcccc tccttggcag tgccatgggt gcaaaattct 60

gctcgcggtc tcgcatggca cgagctgcag aaaaccgatt aaaaaaacca aaaaacacac 120
 ccgtaaagta attaaaccaa acacgcgctg ccaccgaccg atcaggcgac cccgctccaa 180
 gaggaaatcc accaccgcgg cgggggcctc ccagatctcg ctggaggcag cggcagcggc 240
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<210> 22459
 <211> 300
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-E10

<400> 22459

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 aggacagagt ggtgcaaggc cgccgcagga gcacttcgac ctcagcatgc ccgcgttcct 120
 ccagatcgcg caggagaagg cgggcatcgt gcccatctcc tatcgagggg tggcatgcgc 180
 aaagcagggc ggcattccgt acaccatcac cgggaacaag tacttcaaca tggtgacgat 240
 caccaacgtg ggcggcgccg gcgacatcgc ggcggtgtcg gtgaagggga gcaagcgcgt 300

<210> 22460
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E11

<400> 22460

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 gagacggtgc tcgaggtcaa cagccacggg cagccagcg tggcgtttgt gaacacccaaa 120
 ttcgtaggat gtgggcacgg gaccaagatg aacaaggcgt tcacgctcga gaagcccatg 180
 gacctgaaaa agggcgtgaa ccacgtcgcc gtcttggcgt cgacgatggg aatgatggac 240
 agtggcgctt acctggagca ccgtctggcc ggcgtcgaca ggggtgcagat caagggcctc 300
 aacgcgggca cgctggacct gacgaataac ggcttgggcc acatcgt 347

<210> 22461

<211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-E2

<400> 22461

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 acatgtccat cgaggcgctg gcgacgttca cggatgatga gccggacacg atgcggcggc 120
 tgttcgcggg cgagctgggc cccgaccgcg gcgacatgta catctacagc cggcacttca 180
 acccgacggt gctggcgctg gggcggcaga tggcggcgct ggagggcacg gaggcgggct 240
 actgcacggc gtccgggatg tccgccatct cgtccgtgct gatgcagctg gtggcgccg 300
 gcggccacgt ggtggcgctg cgggtgcctgt acggcgggac acacgcgctg ctggcccggc 360
 tcctgccgcy cgccctncggg gtgcgcgcca ccttcgtgga cgccgacgac gaggccgacg 420
 tgcgcgccgc ggt 433

<210> 22462
 <211> 314
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E4

<400> 22462

accatacgtc ctctaccctt cgccctgggtt caaactctcc ccagcccggg ctgcctacga 60
 gaggtatttc atgaccctca acgcccgcct ttctctctag ctccacatt tattgcagat 120
 ccaacccatt gagcctcacc ttaattcacc tctccaacat gacagtcaac accaatatca 180
 aactaccact ccgcatggcg ccacttaat cccttcacg gaacgccagc taactaccct 240
 acccaccttc accgctcaac ttcaacaccg cgcaccaccc catctacgag cccaccacac 300
 ccatgatgtc ctta 314

<210> 22463
 <211> 252
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C9

<400> 22463

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aacacgttat ggtaatatata atacttatct tggaatataa caaagcatga tagatgatct 120
ggagtctgtt ggctatcttc tgctatattt tataagaaga atggccttaa agctggcact 180
aagaaacaaa agtattataa aattagtga aagaaaatgc ttacctcggc agatattctg 240
tgcaaatctt ac 252

<210> 22464

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-E5

<400> 22464

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gagtttggtg gtctctactt ttggtgatgg tcttgaaaga gaattaccag catgccttcc 120
catactcggt gacaggatgg gtaatgaaat tacaagactt acagctgtca aggcattttc 180
agttattgag aattcacctc tacgtattga tctctcgtgt gtcctggatc atgttggttc 240
tgagctcaca gctttccttc gcaaggccaa cagagctctt acgcaggcga cgttgggaac 300
tctaaattct atggttggtc catatggtgg tcagattggc tcttcttcgt atgagacaat 360
aatcgcgga ctttcaaccc tcataagcga catggatttg catatgaccg ctcttgcatt 420
ggaactttgt tgcacaataa tggttgacag aaaatctatt caaaac 466

<210> 22465

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B3

<400> 22465

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agaagtgtct tgcgttaaag agtgcacca aaattttaac actcccgagg gcaagaagat 120
ctgtgaaacg atgtgtgcc accctaaagg aaggcctatc gacagagtta gagctgattg 180

atcaatgctc atctttatctt gtagctagct atcatgcatg cgatgatggc cttcttgatt 240
attattatctt cattcctcat gttgtttgtt cttgcatgtt tttccacca ctaatatgtt 300
cctaattgat gcatacaagt tgtcactcaa agcattttct atgctttact tattgggttaa 360
ataaatacaa aggctttctt ttacct 386

<210> 22466
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B4

<400> 22466

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ggagttgcag taggttagca gagttttgag cttcaaaaca ctccatctga tatcataaaa 120
ccacctgtct ttgatatcaa tatacctctc ggcaaccaa ccaaatcgag aaaatgggtt 180
tcaggacacc gatcttccat agcagatgga agctaggtac aggttcttg accatttgct 240
cttcacatgc tggctaggaa acgcagatgt tctcagggtc tctgtgttt catcactagg 300
ctttctcctt ggaatgctca agataaaggc tgctgtgtcc catgtggcaa ccgttgccgt 360
gatgcatag ccattgtccc aacgcattgt gatg 394

<210> 22467
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B5

<400> 22467

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aaccggaaaag caaacaagtc cagtacgcca agaagtacgt gcaggactcc aagaacacga 120
cggacaagac tatggtgccg cccaccgtgt acccaccgcc gcaggccatg gcgtccgcat 180
acccgccgca acaatattgt tcgccgtacg cggcgctacc gcggcagcct tacgggtacc 240
ctgctccgcc accgtacggg tacaatgctg cttccccaca accggcgatg tacaactacg 300
cagcacagcc ggtagctgca ccggcgaggc atggcgaggg tatggggatg gggctcggcc 360

396

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B6

cgagctgaaa gccctgccgt gcacacgcng atgcngatcg cggt 404

<213> Zea mays

<400> 22469

422 tq

<210> 22470
 <211> 372
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-B8

<400> 22470

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 gagggcagga aggggatgga cctgggtggtg tgcaaggagt cctgcgacct ctacagcgc 120
 tccaacctgg tgctgtacgg ccgatccag tgcaaggga agtgcaccga gcagaagggc 180
 atcaccgcgc cgcagatgaa ggtgtgcca gaggcgtgcg acaaggacta cgtggtcaag 240
 gcggctgagg tcaccaaggc ctgcaacacc acctgcgcca aggagaagca gcctctgctc 300
 agcgagaact gcangaggtc ctgcaccct tcttcttctt gaacgcagag cacngcccgc 360
 cgtcgtcgtc tt 372

<210> 22471
 <211> 390
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-B9

<400> 22471

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 acggtccggc cagcatcacc tctgctcgc ggctcgcgc agctccctcc accctccagt 120
 gagacgcaga tctcctgctc gcggcctcgc ccagctccct ccaccctccg gtgagacgca 180
 gatcttggtg cgacggggca ctacggaggc agggtagtgc ggttggtcgt gtgttggtgg 240
 cctggttcta gcaaccgaga atgttcagag atgaattaga gagagatggc atgcctaaca 300
 ttgaaagaac attgcgacaa ggattccaga ctnggttcag aaccatata ctcagaatgc 360
 ggaatataaa tcaaggagag gctgatgatg 390

<210> 22472
 <211> 339
 <212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-K1-C1

<400> 22472

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ccgggcccgt cgcgtcgcg tcnegcgcg gccggacacc atcccgcggc aagtaatgag 120
ggccccccgg gcccgggcgc gcgctctctcg cccgcnncgg cgcctggcgc gccctgctgc 180
tggcnncgcg acacttctctg nngcgggcgg ccttggttga ccgacngnnt cctcccttgg 240
ggcgccgtnn acctgctgct negcgcnnt ggccctgggg tcgctgccnn ngtgcctggc 300
cgnnngcgggtg acncnngcgc cgnngcgggg tccccgggt 339

<210> 22473
<211> 52
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C12

<400> 22473

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<210> 22474
<211> 442
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-K1-C2

<400> 22474

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cgttgctagt caagtacgtc gacggcgacg gtgacattgt ggcggtggac gtcaaggaaa 120
agggtccga cacgtacgag cccctcaagc actcctgggg cgccatctgg aggaaggaca 180
gcgacaaaacc gcttaaggga cccctcaccg tccgcctcac taccgagggg ggcaccaaga 240
ccgtctacga cgatgtcatc cctgccaact ggaaggccaa caccgntac accgncaaat 300
aattaacttt agtgctgaca atactttaag tcggcctatg ctagctatac tagattgggt 360

tggatcccaa gcaatgcatt acacatgcat gcattggacc gtgatatcta tttgctacca 420
ctaccctatt acgacagtga tg 442

<210> 22475
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C3

<400> 22475

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ggcagcgggc agaccacctt tagctacgac cgcttggtat caaagtatac tgacgctgtc 120
aacgggatac gaccacagge tcacagagac atatttggtg gacaatgagt tcgagaccga 180
gtttgtgatg accaaagagg agttgtacga gcagtcaagg tgtaagcatg agttgcggaa 240
caagaaagct gatcttttgt gaacttacac acacgggtag gtacgacaca aagccctcgc 300
gttgcgcatc gacagctgta gtacagcaat ctcacatgc tcggtatacc gatgcgtgat 360
catcatgagc tttatacgtg agttggatac tctctatctg cacacgtttt gagcgcctta 420
tatatattac tat 433

<210> 22476
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C4

<400> 22476

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acgacgtgca cagacaatg cttctggggg ctgccagaat actccaggat cgcaagagcg 120
acctaattggg caccgtgaag cttgtattcc agccggcaga ggagggccag ggcggcgcggt 180
actacgtgct gcaagaagge gttcttgacg acgcgtcggc catattcggc ttgcacgttg 240
accgggccct ccccgtcgga gtcgtttcgt ccaggccagg gcccttcgcy ggcaggtccg 300
gcccgttcct ggcgacgggc accggcaaag gcgggcacgc cgcgatgccc cacg 354

<210> 22477

<211> 338
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-C5

 <400> 22477

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 agacggggcg aattcgtggg gctacctaaa agagacccca tctggtgcgg ttctgggggtt 180
 cgaggagcgg cgaggcaggt gggaaatgag ggatgtggtc gtggttgacg aagattgcgt 240
 ccgcgtgctt gggcccggtc cggaggtgcg cgcgtacgaa gaaggatgat gacgacagcg 300
 ataatggccg cggcgctcgcc gacgacctgc tgtggtcg 338

<210> 22478
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-C6

 <400> 22478

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 aagattataa ggcccaca ggtatacacc ggcttctggc ttaggcacta taccctcgctc 180
 agagaacgag tgctatcaag ccagagtgag gaacttggtc aggttgccac ctcaaacgca 240
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 tactcaataa acatcgacca ctnttgctgct tgaaaaagcc acaaatggct tttagcttgg 360
 gtggagttgt aagccttttg gtgtcgagta tataggcaat aatgcagtga gaacaccaca 420
 ccgttacaat gtaaaactgt ca 442

<210> 22479
 <211> 470
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-K1-C7

<400> 22479

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gatgcagatc tttgtgaaaa ccctgaccgg caagactatc accctcgagg tggagtcgtc 120
tgacaccatt gacaacgtta aggccaagat ccaggacaag gagggcatcc cccagacca 180
gcagcggctc atcttcgctg gcaaacagct tgaggacggg cgcacgcttg ctgactacaa 240
catccagaag gagagcacc cccaccttgt gctccgctc aggggaggca tgcagatctt 300
tgtgaaaacc ctgaccggca agactatcac cctcgagggt gagtcctctg acaccattga 360
caacgtcaag gccaaagatcc aggacaagga gggcatccct tcagaccagc agcgggtcat 420
ctttgctggg aagcagcttg aagactggcg cacgcttgcc gactacaaca 470

<210> 22480

<211> 467

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C8

<400> 22480

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gatcgagcaa ttataatctc acagaataat aaacatcatg gggcaagcct cacggctcgt 120
cctcctcgcc gtcgtggcgc tgctgtccgc cggcctctc ccgcaggcgc tgggtaaggg 180
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catcgacaac ctggccgtgc tgaacatgca ggtggacgcy ttcgccaagc gcaccgcgca 360
ggcgcgcaag cacgtcgca ggtcggcccc caccatcccc ccgcagcaga cgcaggcgct 420
cacgttctgc gacaccatgt acatgaacac gcaggacacc atcggcg 467

<210> 22481

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B2

<400> 22481

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ctcgcgcaac agccgcccga catgccaccc cgccctcgca cccacggcat ccgcgcccag 180
atgttgcggg cggcgcgcgtc cccgcccgatc ccgcgcaaca gccgcgcac atgccagcct 240
cggcctcgcg cccacgacat ccgcgcccgg ctgttgcggc cggcgccgtc ctcgccgacc 300
cctcagatat aaagtcactc tgggtgttctt caagactacc cgaagcgatt ca 352

<210> 22482
<211> 253
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H6

<400> 22482

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tagatattta aggataagac ttactgtctg ccttaattag atcctcctcc tctcgtctt 180
actgcccga cctgcccactt accttagcat aacttgactt agttaattga cgctaacgac 240
ggtgtcgaat tcg 253

<210> 22483
<211> 376
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H8

<400> 22483

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tcgtaatgat tggattaatt atggaaacgg actcggggcg actaagaagg ttgaagttga 180
tactgagacg catacgtgca tggacaacac tgaatctgac aatacggatg catacagga 240
gaacgtgtgg ctatacgcgc gatcggaata ttaatggatg tagtggatag tgctactctg 300
ggtgtacatc ttgtcgtctg agagagagac tgattctctt aagtctgata cgtagaatta 360

cactgtctac gggatt

376

<210> 22484
<211> 294
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A1

<400> 22484

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ggaagccggt cagggcctcc gactttaata gcaataggcg ttatagtagg acgcacaatg 180
cgttactttg gggatccttt gtgtggctgg ttcagtgatt gagatagatt tggaaagagt 240
ttgttttgct gaattgttat tcaatactca ctaaggcgtg tcctgttta catg 294

<210> 22485
<211> 205
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A10

<400> 22485

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aggactgcgc tagctgtcaa cagtcacgga cacaccagct tggcttttgc taacaccaaa 120
ttcatatgat cgttacacgg gaccaagatg aacaaggctg acacgctcaa gaagcccatg 180
gacttgaaca tgtgcgtgaa cgcac 205

<210> 22486
<211> 346
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-K1-A11

<400> 22486

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tgccacctgg tgtacaagct acatcctctg ggtggcaagg taacgttcaa gcagctgggg 120
catatgctgc cccacccggg gcccttcgc aaagccacgg tgccaatgga catgtgcaga 180
actggaatcc cggcaactca gtctatcccc cagccccagg accaggaaca tatccaggcc 240
agatgtactc atctccctca cagtatgcag cgtcaggggg ctccctaata accccatcca 300
ctgctccgnc aactatgca gcatcagggg gcttccttaa ccccc 346

<210> 22487
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A12

<400> 22487

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ggatctgagg cagcgtattc tgcggctgct ccatgagggc aacgggtactg tccaagagca 120
cctggatgga ctgctacatc acgggaagtt aaccatgcag cagcataact tgaggacgta 180
catatggatt gctgatagcc gacgaccgac tca 213

<210> 22488
<211> 477
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A2

<400> 22488

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catgaatgct gccatggaat tggacctcat tctatcacc ttccaagtgg taaaaaaca 180
acagttagaa gggaacttca agaattccat tcagcattgg aagaagcaaa aagctgatat 240
agttgggtctc tgggcaactga atttccttat taagaaagga ttgcttcta agagcctgtc 300
acaatctatg tatgtctctt tctgggtgg ctgcttcgg tcaatccgct ttgggctgga 360
agaagctcac ggaaaaggac aagctctgca gtttaactgg ttgtatgaga aaggggcttt 420
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<210> 22489
 <211> 369
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-A3

<400> 22489

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 caccatgagg gagtgcattt cgatccacat cggccaggcc ggtatccagg tcggaaacgc 180
 gtgctgggag ctgtactgcc tcgagcatgg cattcaggct gatggtcaga tgcccgggtga 240
 caagaccatt gggggagggtg atgatgcttt caacaccttc ttcagtgaga ctggcgctgg 300
 gaagcacgtn ccccgctgctg gttttgggtga cctttgacct actgtcatcg atgaagtgag 360
 gactggcac 369

<210> 22490
 <211> 431
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-K1-A4

<400> 22490

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 tcctcgccgc cttcttcttc caccaccttc gctgcacggc gcagggccgc gccgaaaaca 180
 tctcggaggt cgaggccgcg gtccgcgccc gcgcgtccga gctgctccgc gacgccacca 240
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 ccctcagcgt gcgcagcaac gcgctctggg ccggcggcgt caacaccacc ggcttcaccg 360
 tcccgcgcgc cgctcgctgc gcccgttcg cgcgccgncg cgcctcgtc ttcgagctct 420
 tcgtgggaaa c 431

<210> 22491

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<211> 137
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A5

<400> 22491

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tgaattgggt ttgtgat 137

<210> 22492
<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A7

<400> 22492

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gctgggagaa actgcggaac cagaggtcaa ggtgctggac ctgaccatcc tgtcacctgg 180
cagaccggac ctgatccttc cgatcccggt ccaggctgac gagaagggct atgcgtttgc 240
cctcaaggac ggcagccctt acagcttccg cttctccttc atcgtctcca acaacatcgt 300
gtcaggcctc aagtacacca aactgtctg gaaaactgga gtcaaagtgg agaccagaa 360
gatgatgctg gggacgttca gccccagct agagccctat gtctacgagg gcgaagaaga 420
gaccacccct gcttgcattt ttgcgagagg ttcttattct 460

<210> 22493
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A8

<400> 22493

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taagcatata gttegggcat gtgttttctc tgaggacacc caccttttac tcaactggagg 180
catggaaaag actttgcggtg tgtatgatata taatcgctct gatgcagctc caagagagct 240
tgacaaatca cctgggttctg tccgaactgc tgcctggctt catagtgcacc aaactatatt 300
gagttcctgc actgacatgg gtggagtaag gctatgggat gtgagaacag gtaaaattgt 360
ccaaactctt gaaaccaagg cttctattac tagtgcagaa gtaagccagg atggcagggt 420
catcactaca gcagatgggt caagtgtaaa attttgggac gcgaatc 467

<210> 22494
<211> 457
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-K1-A9
<400> 22494

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gccgcacgcg ccgatctgcg cccgcccgtc gcacgacggt gatccgcgcc gccgcaggct 180
cctactcgga cgagctcatc tccaccgcca aatctgttgc tccccctggg cgtggtattc 240
tggcaattga tgagtcaaata gcaacatgtg gaaagagggt atcatctatt gggttggaca 300
acacagaagt gaaccggcag gcttacaagc agcttttgcg gacaactgct ggtcttggtg 360
aatatatttc tggcgctatt cttttcgagg agacccttta tcaatcaact accgacggca 420
agaagtttgg tgactgggtg aaggatcaga atatcat 457

<210> 22495
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-K1-B1
<400> 22495

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gagcttctgc ctgatccagc ctcacccgcg catggacgaa tctgaggagc acagcaacgg 180

cggcgggcac cccacccgc accacgggta cgagtggaag ttcccggcgg cgctgagcgc 240
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 cacggtggcc gtgttcgtgg ggctgtcgct ggcgacaccg gggcagctgc ggagcctggc 360
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<210> 22496
 <211> 281
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B10

<400> 22496

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 gtggcggcgg cgagggccgg cgacgcccc cgccaccgtt cgcaggctcc ggtgcaggtc 240
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<210> 22497
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B11

<400> 22497

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 caatccgtcc ggcgggcgcc ccaagcaggt cgacaccaac gagtgggtaa agcccaagcc 240
 aggaacctac gttacaaggc tcaccgctt ctccggcaca ctgtcctgct gcacgggcaa 300
 gccgtgctga aggcgggtgg gcatcaggct gcttcttcta gctcatggcc tggccatgcc 360
 aggtcgcgct ggctgcgttt catttcatgg aagaaagcaa ggatggatca caggttgcg 420

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445

<210> 22498
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-H5

<400> 22498

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ctgggtgttc ctggtaacgg taagatagat agtatgaagg tcgtgtaaga ggtacgtata 240
ctgggtgcgtg gtgggtatcgc gaagtagata acttctacat ttaagggtga tccgtccgct 300
ggataatcta atcctatagg tttccgt 327

<210> 22499
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F9

<400> 22499

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attatgattt gacggtcctt acgtgtctat atctaaacgt acgccgccgt actggagccg 180
tcttcaatac cagggagata cctgcggatt cctatacgaa gaatgtacga tgacactcca 240
ctcctaaaac tgatgagtag tagtagtatt cggccgcaga gaacataggg gtcacatcgc 300
aaagtcacta cgacccccct gtgtctctca ttagacaacg atcgtcgaca tgtctcgcac 360
gaccacgacc c 371

<210> 22500
<211> 423
<212> DNA
<213> Zea mays

<400> 22502

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 ttctgacagt agtcggtaaa cgttcatcca ccatgcatac ggcaatgacc agcctgttac 360
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<210> 22503

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-E1-G2

<400> 22503

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 ggcgtggctt ctttaaagct tttttaggta agaatactat ggttattcac ggtaaggatc 240
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 gcggcgggtc tgggcataag gatgcgaata agtttnttcc taacagtacg ggtgtacgtg 360
 gtaatacttt tactcctaag gacggctcgg gccgcgggct tcgtcctgag actaagcgtg 420
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<210> 22504

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-G3

<400> 22504

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gtgagagtgg gttgatgtgc gttggttggg ggatggattg ggaatggttt ttcagggggg 180
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cacgatctca ccaatgcagt taaacgttct ggtactcaac cagcgatgtg tacgaacgga 420
ccaatgagac cctgatc 437

<210> 22505
<211> 102
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-E1-G4
<400> 22505

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tccccaccta cttctcttct ctctctctct atatgagata ta 102

<210> 22506
<211> 133
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-E1-G5
<400> 22506

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tcacgtgagt ata 133

<210> 22507
<211> 407
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-E1-G6

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 gttgatgctt attccggtat taagaatcgt gacccttaga tggagtgtca cgctcccaag 300
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<210> 22508
 <211> 328
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-G7

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 <211> 301
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-G8

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<210> 22510
<211> 324
<212> DNA
<213> Zea mays
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ctccttggtt ggactgggtt ggtg 324

<210> 22511
<211> 345
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-031-Q1-E1-H10
<400> 22511

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<210> 22512
<211> 336

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-E1-H12

 <400> 22512

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<210> 22513
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-E1-H2

 <400> 22513

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<210> 22514
 <211> 380
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-031-Q1-E1-H3

 <400> 22514

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<210> 22515
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-E1-H4
 <400> 22515

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<210> 22516
 <211> 483
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-E1-F8
 <400> 22516

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<210> 22519
<211> 484
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E6

<400> 22519

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cccgcgtcg ccacctacc cgtcggatcg aaagtcgccg gagaaaagcgc ataaaagtgc 240
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ctatttcgta tcgaagaccc cttctctatc ttatacaatt tacacggtag aattaaatcc 420
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tcca 484

<210> 22520
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E7

<400> 22520

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tgggtattctt cgtaatttgg aggttgccag ttcgtctcgt atcgттаага gcttacgtat 300
 tggtgccatt acggacgatg cctatgctcg agcacagtgg tgттаатааt gagattacgg 360
 tctcccgttt gaatgttgac ggtgagtatt agggccgctc таaggagtcc ggacgtcctc 420
 agatttcgta ctgategatt tactccctca ggcaccaccc actctcc 467

<210> 22523
 <211> 460
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-E1-F1

<400> 22523

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 aattgttggt gttgttcttc tcctcgtgct aggtcatggt gcctagagat ttttcggctc 180
 aagctcaata atagttttaga tgaaacctat gctgtcttgг ttgccgttgt tcctggctgc 240
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 cttctttgcg ttgcacttag tgagtaacct cggtggtctc ggtagtagtg atgtggcgcc 360
 ggagactgag agtgcgaggc ggagtgcggc gggactgaag ttcgagggtc tggagtgtc 420
 gaggagtcgt anaagggtag tagagacgga tgттgatgcg 460

<210> 22524
 <211> 419
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F10

<400> 22524

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 aggaagatga tggtgatgcg ccgggttgct ggtttgatgc gtgttcttct tcttggcggt 180
 tcggatgtgg gtgtgatggт tgттtggtggt aattgtgttg atgctgatgc tggttcttct 240
 tcgctgcggт ctgatgtttg tttgggtggт cttgcgtcgc atgctagtcc tggtagttct 300

gtgtagtcgc tgtegaagta gattgctgag tctgtttggg gttctgaggt gcttgggtgg 360
 ttgcctgctc gggttactaa ggaggttaag cctagtgttg atgcgttggt gccgtcgtc 419

<210> 22525
 <211> 61
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F11

<400> 22525

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 c 61

<210> 22526
 <211> 279
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F12

<400> 22526

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 agtgctatgg ctccccgggt ctcgggtgctg gagtccggcg atacttctga aaataaaaag 180
 ttcgtctctg ggatcatcac ttcaggaaag gacgcttata ctcgatgcc cttaagagac 240
 ttgatctccg tgactgggag ttcggttacc gcggtatcc 279

<210> 22527
 <211> 494
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-031-Q1-E1-F2

<400> 22527

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aggctattaa tgctaagtct attctttatg agagttctgc ttctaagtct ctttgtgttg 180
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 cgacgtggga gttgcatggt gcacggctgc tgctggtgtt gtttgcgggg acgagtggta 300
 gtggtactgt tgatgcgaag tacgatagtg cggatacgaa gtctgacggt actactgatg 360
 ggtaggtggt attgagtgtc gtagcggggg ccctagagga ctatcatggt ggtcataatt 420
 actcntenta acattctgtc cgactaccac ccaaccgtgc ctgcctacgc cgaaagcctg 480
 actaaatcac taaa 494

<210> 22528
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F3

<400> 22528

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 aaaacaaaa aaaaaaaaaa aaaacaaaa aaaaaggaga caaaaaaaaa aaaaaaaaaa 120
 aaaaaaggat aagggtcgtc gacccataag acttaagccc atgcatgtgc gaacgtaaag 180
 ctacagtccc ctcacattgc aattcaaacc aaccctatcg gttgcatacc cataatatcg 240
 ggaacgtgaa aattccgttg catttaaate caccgtttcc gacgtatacc ttttccctct 300
 tagccagtgc aacaaggatt aggttggcat tgaccgttac cattaatate cttctaactc 360
 gaacggggaa cggatatctc ttgcattcc aataccaaat gtcgtggccg ccatggccat 420
 gtgtattgcc attgccgtaa ccggt 445

<210> 22529
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F4

<400> 22529

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 cccactacgt aaagaaaata cgccccgtat ggcacagacg catcggaggt acgtaaacct 120

cacaacgccc cgagaggcta aaccccatat accgagccgc ggatccggat acccgataaa 180
aaagagcgag gaaagaagcg tgctctagcc accaatccgc cagcacggtc ggatactctc 240
tccgagcgga cgtattcaac atatcgtaaa acacgcccc aataaaaagc ccgcccgatt 300
ccgcttcgat ttacgattcc atacaccgtt gcctaagcaa ctttagtaat aggcccaata 360
attgcggcgg cccttaagtc ggctgaggtt gcggttagcc ttagagtcgg gggagaggtt 420
gcggctag 428

<210> 22530
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F5

<400> 22530

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ggttgttggg ggtgtattgg atattgtgtg acgcgtggcg tctccttggg tgcggattt 180
cattcttggg cgaattgacc ttagggccgg taggttgcca agtagaaaag acaatctcct 240
ttgacgtttt tgttggtgct cttggatcct tcaatgctgt tgctcgttgt tatgccttgg 300
tctgggaaac tccaatttga cctttccctg ggcgatgtgt gcgactgtgt cactcgttgg 360
gccctttttg ctttccaaga ctggccatt tacgcgtaag cgttgcctat acggaattcc 420
ctcgtctcct gggttcctaaa gcctctaccc gaacacctgt catcattatt aag 473

<210> 22531
<211> 471
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-F6

<400> 22531

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tttggttaaga tcttattatt ggctcccgtc atgatcgtct tgtttatacg tctcgggctg 120
gtgagtgtat ttggtagtcc gacggtgctt acgcggagcc ttcgaggggg actgttaatt 180

tttccggtac taaggcgagt gataagacgg agtttgggtga gtcggcgaag tcgactgata 240
catcgaatth gatgaataag tttgggagga ctattgctac tataaggacg ggggtagaga 300
atactagggc taagccattc tattccactt gtgtggcttg ttaggtcgga tagagcgcta 360
ttcggactat cgatttgacg tatgggaata ttactaagat cttccgtgga tgaaagatct 420
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<210> 22532
<211> 479
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-E1-E2

<400> 22532

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gtgtgctatg agcctgggtga gtatgggtgg gcgaatgacg cttactgagg tgctgggtgat 120
gcctatggcg acggagttgg atatgacgtg gtggtcgcct gtgggtgagt cgggttttga 180
ttgtgggtgat acgcatactc atagttggta tcctaatttg atggcgctcg tgctgggggtg 240
gtagacggtg gtgtcggagg gtatggaggt gggtcacgt atgggtgcttg ggacgcttgt 300
tactctgctt gcgtcgacgt agtcggcggtg tggtgggtgt tatgcggcg tgctgtggcg 360
ttcgcaggtg gggatatatg tgcgtcggt ttggccttcg ttgtgtgttc ctggggcggtg 420
tgttattcct gcggatgttg atgatgaggt tgntgcgtgt gttgnggcgg cttttggtg 479

<210> 22533
<211> 291
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D10

<400> 22533

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cttctcacag agctattcaa acctaacctg ggggttgctg acccataatg gtgcgacgtg 120
gaaaatttcg gtgacattta atccaactgc tccgtagtat actttttccc tgtagtcgg 180
tgcaacagtg aacaggtttg tattgactgt ttccattaat agacgtgtag ttcgaacgga 240

gaacgggatg tctttcgcag tgggtgtacaa gtgtcgtgcg cgcggcggcc a 291

<210> 22534
<211> 235
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-E1-D11

<400> 22534

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gagaatgaag agttagttaa gtaattaggt ggggggggag taatggtatt gggactaggg 120
ataaattatg agttaaattg agtgggtgatt gagtgtgaaa tgataagata aaaaggagta 180
agtgagttaa tgattgagag agtgtgagga tgaataagta ggttgggttg tatgg 235

<210> 22535
<211> 313
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D12

<400> 22535

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ttaagtctga cgattaaccg cgcgaaactaa tgggcttcgg ctcatcaggc cgaaccatca 120
ctgtgggtgtg gctactagca gggcaaaatc aattcgctct atgatggctc aaatttagtc 180
tatgcctttc accggcgggc gaataacgta atatccggcg aacgtcgtcc tataacgaca 240
ggaagagttg gtactaaagg actatccggt gatgtcatca ccaatgtccg gtcggtataa 300
gttaggcact ttc 313

<210> 22536
<211> 493
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-E1-D2

<400> 22536

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 gggccgtggc ggtcttaagg aggttgcggt tatttggaat attagtgttg gtagtaaggc 180
 ttcttggagg aagcttcttc ttgctcttat tgggtgaagt tatattcnta ttatgctggt 240
 gctgcttctt ggtgctgctg ctaaggatgc tgcgaaggac gtggtggtgg ttggtgaggc 300
 gacgatgttt gttgatgttg agaagttcac tctcgctgat ttaaggtag atgttactgc 360
 ggcgacggat gtaagaaaag aggagggtaa taataaggcg gttgcggaag aggactcgtc 420
 cttcgaaactt attacggttg atgaggtgtc cgtcgaggag gaagggtttt aggccgatga 480
 attatctaaa act 493

<210> 22537
 <211> 482
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-E1-D3
 <400> 22537

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 ggcgtcttct tcggttggtg ctgtggcggt gttgcccgct ggggtcgtgt gcgcggacgc 180
 tgcggagggt aggccttacgg tgcttggtga tgtgttcgag gtggtggtcg atgtgtttgt 240
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 tctacttgat cagttgtgta taatgtagcc tccgctacga ctactcagt aaacaaaaag 360
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 cacacaaaca cgcgtactaa acgtgctggt taaatgtacg gaacgcgtcc gttcagtcag 480
 tc 482

<210> 22538
 <211> 484
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3066-031-Q1-E1-D4

<400> 22538

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gcgctggata agatggcgaa gttggcgcat accactatctt ttattgaggt tgtgtatact 180
taggttattg cgggtgctgg gtgtaagtat gggtcgtggg cttgtgctg gagtggtggg 240
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gggtgtgtagt ctggtagtc tcatcatgtt gcgggtgaaga cgatttttag ttctgggcct 420
ttggtgggtg cgcgtgttat gactgggtgct ggggggttatc ctagtggggg tggtcctngt 480
acgt 484

<210> 22539

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D5

<400> 22539

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taggtgcatg cggatgagta ttcgacgcgt gagactgagg gttattattc tgcggtggtg 180
gctactgctg gttatgatgg cgttgatcgg gtgtatagta tggcgctgt tgagcccacg 240
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ggttcgcctt ctggattcat taagcctacg gctacttaac gtgagttcgg cgttgctact 360
tgcggtgaaga atggactagg aggtacgatt gcgaagaaga tagggcaggt atctgctgcc 420
ggtacgcatg atcagttgac 440

<210> 22540

<211> 489

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D6

<400> 22540

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gaggtgtag tagtggtatt cttgctgcat gatgggtgtg gtggatcatgc ttctgctgat 180
tcgctttcga tgcggggtt gattgtgatg ttatatttcg ttgttcttct tctcttcgag 240
ttcgattata tattagttgt tgttggtgtt ggccttagcc ttgttggtgc gtggctgcct 300
ttgcgttctc ctgtaataa gaagccttct aagctgtagg tgtctgggtg ttattagaat 360
gtgtataaga aggagaggag tgcggggcgg aatgtttatt ctcatcttt gttgttggtt 420
gtggatatgg tgctggtgct ggctgttggt gttgctgctg tctgcgttgt gatgatgttt 480
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<210> 22541

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D7

<400> 22541

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taggtgcatg cggatgagta ttcgacgcgt gagactgagg gttattattc tgtgggtgtg 180
gttactgctg gttatgatgg cgttgttcgg gtgtagagta tggcgcttt tgagcctaag 240
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ggttcgctt ctggattcat taagcatacg gctacttaag gtgagttcgg cgttgctact 360
tgcggtaaga agggactagg aggtactatt gcgaagaaga tagggtaggt atctgctgcc 420
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<210> 22542

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D8

<400> 22542

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tgttcttggg gcgtggctta ctaaggagaa tgataaggag tcgacggtgg tatcgcatc 180
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gtgtactgat gtgcatgtta atcgttagcc tcgtaagacg tagggtagtg gtcgcggtcg 360
ggcggttatt actcggtgac gtattgccgc tattcatcct ttgtcggtat cgtctaagcc 420
cgctacttgt ca 432

<210> 22543

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-D9

<400> 22543

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gctgttggtt ttctgggtat tgttgctcg gttctggctg ttcttgaggt gtttcttgag 240
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gttgcgtttg ttgctgggt gtctgctgt catccttctg ttcattcattc ttatcgagt 360
atgatgtgtg ggggtggaat gccgggacgt actgcgccc gcctacttgg acaaccaacc 420
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<210> 22544

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E1

<400> 22544

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atgtacgtgt cggtgaaagt gccggtcgct acttagaaga tggcgccat gatcgcgtac 360
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<210> 22545

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E10

<400> 22545

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cctgattcta gtacgtttgt gccttcttag actgtgtagg agaaggttgg tactgcgttt 180
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gcgctggcga aggggagtaa gtgtgctaag cggatggaga cgaagtgtaa tcgggggtaa 360
gcgcggtaga ttgaggagga ttctattcgt gagctgtcga tgccttgggc gacgat 416

<210> 22546

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E11

<400> 22546

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gtatgttagt gcggtgcccc cgaatattaa acctgcagga cgcggttatg ggattaagac 180
gaataagggtg cctatgtctg agaagtttac ggattcgaaa aagggtgcga attatgctgt 240
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<210> 22547
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-E12

<400> 22547
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cgatgagcct aagggttaagg cgaaggagct gcctaatac ggggaaggagt ctattagtaa 180
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tggtactttg gagcgggctg ttgatagcga gtggagggcg tctaaagggtg gtggtcccaa 360
gagtatatct atgttaaacg cggcggcggt gaacgatcgt agtggttaagc ctaagattac 420
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<210> 22548
<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-031-Q1-E1-D1

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<212> DNA
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 <212> DNA
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 tgttccgtag tatacctttt cctgatagt cgggtgcacca ttgaagagggt ttgtattgac 300
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 <212> DNA
 <213> Zea mays

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<210> 22555

<211> 473

<212> DNA

<213> Zea mays

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<211> 422

<212> DNA

<213> Zea mays

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cg 422

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<211> 466
<212> DNA
<213> Zea mays

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<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<210> 22563
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-B6

<400> 22563

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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-E1-A5
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 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-E1-A6
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<211> 95
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<400> 22569

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<400> 22570

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Case	Age	Sex	Occupation	Duration of Illness	Site of Lesion	Microscopic Findings	Diagnosis
1	45	M	Farmer	10 years	Right lung	Granulomatous inflammation with caseation	Tuberculosis
2	35	F	Teacher	5 years	Left lung	Granulomatous inflammation with caseation	Tuberculosis
3	55	M	Engineer	15 years	Right lung	Granulomatous inflammation with caseation	Tuberculosis
4	65	F	Homemaker	20 years	Left lung	Granulomatous inflammation with caseation	Tuberculosis
5	40	M	Student	3 years	Right lung	Granulomatous inflammation with caseation	Tuberculosis
6	50	F	Teacher	12 years	Left lung	Granulomatous inflammation with caseation	Tuberculosis
7	60	M	Engineer	18 years	Right lung	Granulomatous inflammation with caseation	Tuberculosis
8	70	F	Homemaker	25 years	Left lung	Granulomatous inflammation with caseation	Tuberculosis
9	42	M	Student	4 years	Right lung	Granulomatous inflammation with caseation	Tuberculosis
10	52	F	Teacher	14 years	Left lung	Granulomatous inflammation with caseation	Tuberculosis

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<400>	22579
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<213> Zea mays

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<211> 425

<212> DNA

<213> Zea mays

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<213> Zea mays

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accacctcca gaacaccacc cagttcggcc tcatggccgt cagcctcggc tactacgaga 180
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 agcgctgggc gcagttcgag cgcgcgctcg cgctcatgca gacgccgacg cccacgcacc 360
 atctcaaggc cgtcgtcgtc gaccgcgacg gccccgaagc cgncaacaac caccaccgca 420
 agcactgacg cg 432

<210> 22583
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H10

<400> 22583

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 gaatctccag aactaggttt agaagctccc ttggcccatc atttgatgca cttttatgag 120
 atgatgggtg acacacttgc tgtacagtat agcggttctg ctgctcataa caaggtattc 180
 tctgcaaaga gaggtcactt gaagcttttt attcagtcac aagagttctt taggacactt 240
 cagcggcact acagcaacac ctgtatagat gctaacaaac aggctgctat aaacttgttt 300
 ttgggatact tccagccaca gcaggaaaaa cctgcactgt gggagttaga atcatctgct 360
 gggaagcata acaataatct ttttgatggc caccacaagta cattgaaaag agtaaaatca 420
 gatg 424

<210> 22584
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H11

<400> 22584

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 ctctctcgcc gtccacgagt cacggcgagc ggcgtcgacg gcgggcgggg gtcctggccg 120
 ttcaccacca tgctgaccc caccacaaa ccccttcgc cagcccccg ccgtcgcgcg 180

aggctctgcg gcctctgcct cggcaccgcg ctctctgcgc tctctgctgc cgcgctcgtc 240
catgtcgtcg .ccccgcttcc gcgcgcgcgt tccgcctcgc cgcgcttctc cgatcatcata 300
gacggaggca gcacgggcac cggggcccaac gtcttcgtca cggggcacga cggcagccccg 360
gatctggcgc tctccaccgt gatgcgcgtc tccccgggce tctcgtcctt cgccgccgac 420
ccggcg 426

<210> 22585
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H12

<400> 22585

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gtcctgtcgt acaaccagct gacgggcccc atcccgcgcg acgacgcgcg cgacgagatc 120
aacaccgtgg acctctccca caacaagctg acgggcgacc cctcccacct gttcgccgcc 180
ggccggccca tcggcaaggt ggacctgtcg tggaactacc tcgacttcga cctgagccag 240
ctgggtgtcc cgccggagat gacgtacctg gacctgtccc acaacctcat ccggggcacc 300
gtgccgctgt cgctggagcg gctgtccacg ct 332

<210> 22586
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H2

<400> 22586

cccacgcgtc cgtgccgctc cagcctttcg ctagggttta tccaccggcg gcgcccgcga 60
cggcggcaag atgggtgcagc gtctgacctc ccgcaagcgg tacagctatg ccacgaagtc 120
caaccagacg cgggtcgtca agacccttg tggcaagctc gtgtaccagt acaccaagaa 180
gagagccagc gggcccaagt gtcccgtagc cgggaagaag atccagggca tccccatct 240
gaggccagct gagtacaaaa ggtccagggt gtctaggaac cgcagaactg tgaaccgtcc 300
ctatggggga gtactatctg gaactgcagt tagagaaagg atcatccgtg ctttcctggt 360

tgaagagcag aagattgtca agaaagtgtt gaaattacag aagaccaaag acaag 415

<210> 22587

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-H3

<400> 22587

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tgtccggacg tnccgtatcc acagcgacga acgcgtcgaa cccgtggtgg ctgacgttcg 120
agagggccat cgctcccgcg ggtggggagc tgtctaagcc tgagatcctg tcttcgacca 180
cggactcacg ctttgcgcgg cagctgggca tccctgccct cgggttttct cccgatgacca 240
ggacgccccat actgctacat gaccataacg agtttctgga agacagagtg ttcctgaggg 300
gcatccaagt gtacgaacat gtcacagag cactaagctc gttccaaggc tgattcgtaa 360
aaaaaaaaaga agagaagaag gaaaagtggc agtgctgatg cgtggagtgt aacatagcag 420
gttttgtaat aa 432

<210> 22588

<211> 158

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H4

<400> 22588

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cggcgacggc tgctattagt gttaatgtta gtgtcgatcg ggtctccttg aacaatggca 120
ggaatctgtt gcttgtttac tttcttctaa tggcaagt 158

<210> 22589

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H6

<400> 22589

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 gccaaaggggtt gcgcctcaag atggctacta aattttcctt cttttttcctt tatgtttttt 120
 cattttaacg tgttttcattc acccatctta ttgtgattga tcgcttgcaa taaaaaggcc 180
 atctttacta aaaaataata agctatacac aatggatcta aaataaattg cctctgaagg 240
 aaacaagctg cctaattgtt gcacagtggg aaggagcgaa tcatttgcaa aacatgctta 300
 ttctgtgatt ctcaacattt gacgcctttt acgcctttac ccgatatttg ccagatcaca 360
 tgctcctagt ctgcttattg gccgattgct ttccaactt 399

<210> 22590
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-H7
 <400> 22590

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 tgaagtattt agtgatggag gtggttgccc tatgctaaga tcattgatcc ttgacaattg 180
 cgagaatttg agcattgtag aactgaacag cagttctttg tcctgcctct ctcttgctgg 240
 ttgccgctcg atgacattgt taaaactctc atgccc aaat ctgcaacatg tcaatcttga 300
 tggctgtgat caccttcaaa gtgcagcatt ctgtccagtg ggtctcgaat ccctaaatct 360
 gggaatttgt ccaaaattga gtgttcttca cattgaggct ccaaatatgt ctatattgga 420
 gctg 424

<210> 22591
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-H8
 <400> 22591

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 ggaccaccag gctccgcggg gcccgggccc gcaacagcgtc accatcttcg agttcggcgc 120

cgtcggtggac ggcaggacgc tcaacacggg ccccttcag aacgccgtct tctacgttcg 180
ctccttcgtc gacaagggcg gtgcgcagct gtacgtgcc agtggccgat ggctcaccgg 240
cagcttcaac ctcaccagcc acctcaccct ttacctggag gaaggcgccg tcacgtctg 300
cgcaaaggac tcatacaaat ggctgatcgt tgaacctttg ccatcttatg gccagggct 360
agacctttct ggtcctagac attgaagctt gatcagcgga ttacacttaa ccgattgttg 420
tat 423

<210> 22592
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H9

<400> 22592

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gtcaccatca tcggaccgcc tgacacccta tatgatggag gctacttcaa tgcaataatg 120
accttcccc agaactatcc caacagcccg ccatcagtaa gatttacttc tgagatgtgg 180
catccgaatg tttatcctga tggacgtgtt tgcatttctg ttcttcaccc acctggtgaa 240
gatcccaatg gttatgagct tgcaagcgaa cgatggacac cagtgcacac ggttgaaagt 300
atagttctga gcatcatttc gatgctctct agtccaaatg acgagtctcc agcgaatatc 360
gaagctgcc aaggattggag agaaaagcgg gatgagttca agaaaaaggt aaggcaatgt 420
gt 422

<210> 22593
<211> 356
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A1

<400> 22593

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ctgtacctcc cttggcccggt tggccggggg gtaaatcaga atcaggaaag cgccaagctc 120
cgtcgaacta gcacccatct tcccttagag cctgtggaag ttggctaggg ttcttgatcc 180

caacagtaac aggtgccaca gcaggatgta taacgtgcca tcccggggac ttcccgcgcg 240
 gtcggcctag cgaccgagac agaccggaa agagcccgcc ccgtcgaacc gccacctaac 300
 atctatcaag gtgcgctttc ggccatacga aaaaaagaga aatcccgata agagta 356

<210> 22594

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A10

<400> 22594

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 ggggtatgat acgctgactt gatgcgatcc gaagagcgtg tcagacgcta acagctatgg 120
 atatgttagt cgcgggtcccc gtcaatattg acacctacta cgcattgcgcg atatggatcat 180
 taatcatcaa taaggcgcct atgtctaaga cagctacgca ttcgaataca cgtgcgaatg 240
 atcccgataa tccggtgctc tgacgggaac gacggataga gtgtccttcg gagttgagct 300
 cagatggtac cgatatgacg tatactaagg tgtctatggg tctatgtcgg attcgatgaa 360
 caatagtcgc cggtatacaa ctgagaccac tg 392

<210> 22595

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-E1-A11

<400> 22595

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 cataacctta gtcggtgcaa ctttaaggggc gtgatggggc gcataagtca tacgtctcgg 120
 gcggttaaggc aatgcctaag tagtcggggc acacgtcgtt ctatttggcg ttttctctgta 180
 aagttatggc gttaacggat acgcgtagaa tcggaacttt ggtaatctag ctcacgtttt 240
 acttctagga ttaggaatac acttaggtta gacgcattc ctctttctat agcacgtagt 300
 gctagggggc catttcaaca ttttacttat cgtcctggta tatcacgtac tactaagggg 360
 tcccttcaat attctcatcc tagtctcctt cggcgtcgtc atata 405

<210> 22596
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G8

<400> 22596

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ggaatcggga cacgggcgag ccgacgggtg gtctccatcc atctcgcccg cgacgtttga 120
tggagtctct cctcgctcgc cgatccatta ggtcttctct ctccgcccgc gccagcatca 180
ggggcgccgc ttccccaggg ccctcgcgcg tcgccaccct cgccagcgcc tgcgcccggc 240
cccgtctccg cgcgctccgt gctggccaca cggactcaat ccttgagggt ctggcacagg 300
acgatatgct gaacgcaaag gagctgggtcc aatgggagaa tggcttgtca ttcaatgaca 360
tagcggctag gcaggggatt cgcattccga gacactggcc gccactgcc tttcttgagg 420
agatagagga ggagct 436

<210> 22597
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F12

<400> 22597

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tgtccttgat gaagtcattg cgtccatgac tggttcagct ggaactttgt ttaccataa 120
agaagtgttg ccatctatgg atgattctgt tgggaatttg tttgctaata gcagcacaca 180
tgaagtgggt agttcatcat gtgcaggaca tgagatacat atcgatgaga ttgatgtaag 240
tgttcaccct gcacaacaca cttcttctgg ggaggctaaa actggcaagc aagaaaacat 300
aaacaatgaa tgtgtgggaa gacttgcata agtcgaagg gtcagtgagc aactaaatct 360
acattctgat cctataccaa atggcagtca gcatgatttg attcccaacc ttgatgtgct 420
atcatcaa 428

<210> 22598
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F2

<400> 22598

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actgtataaa aaaaagttta ttggactgtt atctaaagaa acgggtcaaac taaatcgctc 120
tattcgcaat tattctccat actacagaca attcacttag tacagattta aagcactatg 180
ggccccacaa ggtacccatg acttttgagc tctaatagcac tattgaacac aacaactagg 240
atgaccgcta ttgtcagagc catgaaggat cctccacag acatctctat tgcaaaaaag 300
cccttcttaa ttttaagggcc tgctccggaa tgggcctttg ctcaatcatt taacaattac 360
gtggtaaagt ctgctctatt acctaccaca tccataactc tattgttggc ac 412

<210> 22599
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F3

<400> 22599

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cccagtttaa taatgttaat tcacggtgga atgatcaagc tgccagcctt ccagcagagc 120
aagcactgaa ttacgatgat caaagtggaa accttcgcc acctccttgg gaggtcagc 180
cagcggcaag caacgaaatg ccaaattgtg aattgggagg cgtgcaacct cttcctggga 240
cagctgggca gttcggcggc atgcagcagg cactgcaacc acaagttaac cacatgggag 300
ttccacaaag gcagccaatg tacagcaacc agccaggggt tgtggtggcg ccaacacaga 360
tgcaagcagg cttggggaac cagcagttgg gttcgacatc catgatgggc atgcctccac 420
agatgtatg 429

<210> 22600
<211> 175
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-030-Q1-K1-F5

<400> 22600

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atttaaaaat gttaattcac cgtttactga tcaagctatc aacctttcaa tgcattcatc 120
aatgattttac catcatcaaa gagataatct ttcgccaatt tcttagtatg atcag 175

<210> 22601
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-030-Q1-K1-F6

<400> 22601

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gcgacgatgg ctccgcgcag ctcatcggcg gcgacgtgcc tgtgcctcgc tctcgccgcg 120
gccacgctgg cgctggccca cgggtgcgcaa ggaggaggac catcggcacg ggcggcggac 180
ctggacaagg tcacggccga gaccttcttc gacatcgaga tcgacggcaa gcctgcaggc 240
cggatcgtgc tgggactggt tggggacacc gttcctaaaa ctgcagagaa cttccgagca 300
ctttgcacag gggagaaaagg aattgccaaag tccggcaagc ctctgtggta caaggggtcg 360
acgttccaca ggatcatccc gngttcatg atccaggag gcgacttcac caacggcaac 420
ggca 424

<210> 22602
<211> 277
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F7

<400> 22602

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gaataactaga ttaagtactc gtgcatgcta cgtaatggtt tttatatattt gtatcctaaa 180

ttaaattata gggccgtagt tttaaatagt ttgttctgat aaaacatctg atgttactca 240
 tataaatgga tttgtactaa atctgctttt cgcaatt 277

<210> 22603
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F8

<400> 22603

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 ttttagcgct cttctgtgtc gtgcatgggtg agaaggcaaa gtcaaaggac aacgatgcaa 120
 aagcgtccgg gcccggtggg tccttcgaca tcaccaagtt gggcgcttcc ggcaatggca 180
 agacggatag cacgaaggct gtgcaggagg cgtgggcatc agcgtgcggc ggcaccggga 240
 agcagacgat cctcatcccc aaggggcact tcctcgctcg accactcaac ttcacaggcc 300
 catgcaaggg cgacgtgacc atccaggtga atggcaatct gctggcgacc acggacctaa 360
 gccagtacaa ggatcatggt aattggatcg agattctacg cgtggacaac cttgtcatca 420
 ccggcaaggg aaag 434

<210> 22604
 <211> 107
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G1

<400> 22604

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 gttccattgc aaaaaatctt tcgataagat tgtatcgaat ttgctaa 107

<210> 22605
 <211> 241
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G11

<400> 22605

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 accactctat gacgcgatta ccgtatacga gccgaggtag tcacaacata gtatcggtaa 180
 tcaacacgcc cttatgtcaa cgagccatct acaagctaga ccaacatcat tatgctcaac 240
 c 241

<210> 22606
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-K1-G12

<400> 22606

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 tcgccgtgta cgccaactgg gagttctgca agatgcaggg catcggtctg ggctgggggtg 180
 gcgccatctg ggcgttcagc gtcgtcacct acttcccgtt ggacgtgctc aagtgcgcca 240
 tccgctacgc gctctccggc aaggcctgga acaacatcaa caacaagacg gccttcacca 300
 accgcaccga ctacggcaag ggcgagcgag aggcgcagtg ggcccacgca cagaggacgc 360
 tgcacgggct caaccaggcc accggcacct tcgacctctt cggcgacaac cagggctacc 420
 gcgagctgtc gga 433

<210> 22607
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G2

<400> 22607

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 tggtagatatt gtttccatgc ttcggaatcc ttcaccaatt cttcgtgctt gtgctgactt 180

tgaccttctt cagttcacaa tcccaggagg tcggcatgca atgcatcacg caggtctctt 240
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 tgaagctaaa atctttggca ggattgtact caggaacttg gagcaccatc agttagggat 360
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<210> 22608
 <211> 430
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-K1-G3

<400> 22608
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 aatggccgtc ggggaccttg aggtgctcac cgcgtcgcac accgcgaaga cgcaatggta 120
 ccacttcacc gncatcggtg tcgccggcat ggggttcttc accgacgcct acgacctctt 180
 ctgcatctcc ctggtgacta agtcctcgg cgcacatctac tacaccgtgg aggggtccgc 240
 gacgcccggc accctcccgc cgcacgtgtc cgcgtccgtc aacggcgtgg ccttcgtggg 300
 cagcgtgtca gggcagctct tcttcgggtg gctgggagac aagctcgggc gcaagaaggt 360
 ctatggcatg acgtcatgc tcatggctct ctgctccgtc gcgtcggggc tctcggtcgg 420
 ccacaccccg 430

<210> 22609
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-K1-G4

<400> 22609
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 ttaggagcaa gcatccaat tatcgataga gcgcgagatc gatcgatcat gccgggcccgc 180

tccgttggtct ccatectect cctectectc catggcctcc tctgcctgca gctggctgcc 240
 ttggccgaga tggacgacga cgacgtcatg gaggacggca gctgcatgca ttccagtgtg 300
 tccccgccgn ctgctccgcc ggaggacgcg gatgagcggc gcgactatct ccgcgccatg 360
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 ggcagcagc 429

<210> 22610
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G5

<400> 22610

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 aggctaacaa tagcaccaag gacacaccga cagagtcaaa agagaccgtt ggcggtgacg 180
 acggcacggc ccagagccag acgagcttcg acgacatgaa tggcagtacg aacgactcgc 240
 agcccatgaa agaagacggg aaggctcgccg agaatagctc cgatgaaact gccagcggcg 300
 gcaaggtgga aagcacagac gacgacgca caaccggcgc ggcgtcaaac aacgcaactt 360
 ccggaggcca gaacgtcgcg gccgagacca tggcatttgc agccgcggat gatggcgcca 420
 acggcaaca 429

<210> 22611
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-G6

<400> 22611

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 ccgcgcgca cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc 180
 gccgtcctcg tcgtcategc cgcctcgcc accgcagtgc tggcctccac cgaggccgcc 240

gccgcgggcg ccccaactgc ctccgagtcg tccgcgagg ctcccgtgg cgctggcgct 300
 ggcgctgccg ctggcgccgc cgctcgggg cctccgccca gcagcggcgc gcccgccctc 360
 gccgcgcgc ccgcgcgct cctcttctcc ctctcgcct actacctcca ctaagcgtgt 420
 gcgtgcgtac gtacgc 436

<210> 22612
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-F11
 <400> 22612

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 ctctcatttt ggcgatactg cggacttcaa gtttaagaga cgaagcttct agagtcattg 180
 ttgccgctcc tattctggca tttgtgacaa cccacattct gtacctcaac ttctatgagc 240
 ttgacaaaagg cctaaacatg aaggtttgta ctgtgataag cattgctcag tgtctcctgt 300
 gggcactgtg ggctgtcatg agtgggcacg gttcgcggct caagatcata tctgtcgccg 360
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 c 421

<210> 22613
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-G7
 <400> 22613

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 ccgggcagta ggaggagag gaaggcggc atggcgcgcg cgccggcgag ggccccggcc 180
 gactacgact accttatcaa gcttcttctc attggggata gcggtgttgg caagagttgc 240
 ctctgttgc gggtctctga tggttccttc actacaagct ttattaccac aattggtatt 300

gactttaaga tacggacaat agaattggat ggtaagcgta taaagctaca gatttgggat 360
acagcggggcc aagaacgctt ccgtactatt accactgcgt actaccgtgg agctatgggt 420
at 422

<210> 22614
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-K1-D7
<400> 22614

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tgctgttttc tctgatcaga ggagaggtgg ggaaatggat tgcgattatt gctgttattc 120
tgcgtctatt ctttccacga cacttcccag attggttaga gcttcctggg tccatcatcc 180
tgctcacagt ggtcgcccct agcctgttcg cggacagctt caggggagac ctcgttgggtg 240
tcttcatatg ccttgtgatc ggatgctacc tgctccaaga acacatcaag gcgtcagggtg 300
gattcaggaa cgccttcagg aagggaatg gtgtgtccaa ctccatcggc atccttctgc 360
tcttcatcta ccctgtctgg gccggtgtgc tgcaagtcct gtaggcacca ttgactc 417

<210> 22615
<211> 403
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-K1-D8
<400> 22615

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ccagtctttt gggtcacaaa aggtttctct gggagcaaac catcgatggt actttttcca 180
gcgtgcatat gtatttatgc tgggtaactc aaaacagtat ctggcctttg cgtaccagat 240
taggttttgt tcggttattc ctatcttcat gtggattgta tgagattgga aggaattatg 300
agagatgttg acttgttttag gatttaaadc atccaataat ccacataatt caagtttcgt 360
tggtgttaaa aaaaaaatg gaaaacagaa aagcaatcag ttt 403

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<210> 22616
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D9

<400> 22616

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 gaattgtcaa cggcataatt ctagtcaatg ccaatgtcag gaccaactac tggacaaggc 180
 tgaacatcta atacgcttca taggacgcat actatgggtga gagagctcat ttgtacacaa 240
 tgccgacaag ctaatatgtga cttagaaaat cagggttatac tgaagcagaa cactggccaa 300
 gatgaacatg atgctacatg tccataagtt gagccatatt gcgttaggat gatatgcatg 360

<210> 22617
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E1

<400> 22617

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 cttgttgccg tcttcgcgct gtctgcaaaa tgctgtcctg agccactcga cggcggcggc 180
 aacgttaacg gcaatggcac ggcgccgcca gtcaacggcg gcggccccgg ccccgcccc 240
 ggcgccgtac tgaagctgca gttctgcac cagaggaact gcgtgtacga aggccgtggc 300
 aacgccccgt gcttctgctg cggggccttg aagcccaacc agtgctacga aacgagggac 360
 ggggtgcagcg gcaactgcgt gtagcgggtg agccgccgcc gccggcgagg gcgagtgatg 420
 ggagatcg 428

<210> 22618
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E11

<400> 22618

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ttaggcattc catgaagagg gggaggaaga gcagcaaggt gatgtccatc tcgattctgg 180
atgagcgtga acctgaggag gtgcaggctg tggatgcctt ccgccagctt cttgtacttg 240
aagagctgct accatcgag catgatgact accacatgat gctaagattt ctcaaggcaa 300
gaaagtttga tatcgagaag gcaaagcaaa tgtggtctga tatgctgaag tggagaaaagg 360
agttcgggtgc agataccatt ctcgaggaat tcgaattcga agaagctgat aagggtggcag 420
aatgct 426

<210> 22619

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E12

<400> 22619

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ggcagaggtc gaggtcgagg ccgaggtcga ggtggaggcg gaggccggtg catcgtctgc 120
gaagaagaac cgtatccagg tgtccaccaa caagaagccg ctctatttct acgtcaatct 180
cgccaagagg tacatgcaga actacgacga ggttgagctc tccgctctgg ggatggccat 240
tggtaccgtg gtgaccgtcg ctgagatcct caagaacaat ggcctcgcca ctgaaaagaa 300
gatcctcaca tcaaccatcg gcaccaagga tgaaggcgaa ggccggcttg tccgtaaagc 360
caagatcgag atcctgctgt gcaaatacga gaacttcaac agcatcatgt cgagcaagaa 420
gtccg 425

<210> 22620

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-E2

<400> 22620

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gtggccctcc gtgctggcgt cgtccgccgt cggcctcctc gtcgccgggt cctccctcgc 120
cgtcgctgcc tccgatggcg gtgggcccgc gtacgggtac acggcgggga gccccgacgg 180
gccggagaac tggggcaagc tgagccccgc gtacaagctg tgcgggcagg ggaagcagca 240
gtccccgatac gacatcgtca ccaagcaggc cgtccccaac gccaacctcg acaccctcaa 300
ccgcacctac gccgncaccg ncgncacgct catcaacgac ggccacgaca tcacgatgac 360
gttcgagggc aaggctggga cggtaatggt gaacggcaag gcgtacagct tcgagaagat 420
gcactggcac tcg 433

<210> 22621

<211> 408

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-E3

<400> 22621

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gcgaacaagc caaccgaccc cgtcccaaaa gcaatccggc ggcgacgtac caccaccacc 120
gcatgagcga gatggagatg aagaagatcc tcttcgccgt ncgtcgtcga tcattcgccc 180
ggctcgggac accgcagtgc tgggccttca ccgaggccgc cgccgcgggc gcccactg 240
cctccgagtc gtccgccgag gcttcgcgtg gcgctggcgc tggcgctgcc gctggcgccg 300
tcgactcggg gccctccgcc agcagcggcg cgcccgctct cgccgccgcg cccgtcgcgc 360
tctgtttctc cctcctcgcc tactaccttc actaagcgtg tgcgtgcg 408

<210> 22622

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E4

<400> 22622

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ggagcatgcc tcatacagcc gcggtactga aattcccctt cgtctgggat gaggactgct 120
tcgaagcagc aaaagacgaa ctctaggtca caagtgtttc ctgcaatgta tctgcttcat 180
ccatgatcct gctggactac taaaattcac atgcactagt cgtaataaag ccagtgcgct 240
tttcatgtat aattctgtat tgtggctcgc taaaataaaa tttggcaacg gtttatg 297

<210> 22623
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E5

<400> 22623

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aggatgcaga agaagggccc taccaccacc atgggcaaga cgccttcgct gagaggctac 120
gtcgtcgatc cggagctcgg ttccaacgag ggctagaggt cgtgcttgct cttttgggta 180
gcggaaaaaa aataggggtgt ttctcccccc cggctcttgg tggtatattg tatatttaag 240
atcaggggaa aaaaactggt atcacacgtt ttggaaccga agctaatttg agtacaggta 300
tacatacatg catgtaatgt gagcgaagtg gcacgcgaga ttcggagaga tcgatgccga 360
gtgatacatg catgactcgt tgttcagaat ttattgcctt cgacttcgac agacgaagaa 420
gtggttgg 428

<210> 22624
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E6

<400> 22624

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tcgcgaaaat aatgaagagc cgcagcatgg catcatcggc cgcgctcttg gtgctagccc 120
tcgcgctagt ggcgccacc gccccacagg tagcggaggc aaagaagaag agagcggcgg 180
agagcggcga ggcgcgagg gcgaagaaga tccaggacga cttctgctcg acgctgtgcg 240

agggcaagaa ggggacggac ctggctcgtgt gcaaggagtc ctgcgctctc tcccagcagt 300
ccaacctggt gctgtacggc aggatccagt gcaagggcaa gtgcaccgag cagaagggca 360
tcacggcgcc ggccatgaag gtctgccagg aggagtgcga caaggcgtag gtggtg 416

<210> 22625
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E7

<400> 22625

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acgcgagctc caaggaccgg ttcaagaggg agctggatgg cattcagggtg gagctacaag 120
caaccgaccc gagcgaaatg agcatggaca tcgtcaagtc gcgagccctc tgaaacagcc 180
ccggccgctg cacctgcacg ctgcaggggc gcacggctc ctgcatgccc gtgggtcgtc 240
gaatccttgc ttgtgtgttg ggaacgggtct tgtgttttcg tgtccttgtt ttcctggaag 300
caaaagccct gcattctata tgagactgta tgccattttc catctttttc tctccccata 360
tctctgccct agtcctgcta ccgctgtaga ctagaactta tttggtgttt gatctcgtgg 420
cattgt 426

<210> 22626
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E8

<400> 22626

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ctgctcgtcg ggctcgccgt gggctccgag gaggaggagg acggcggcgg caaaaagaag 120
ccccacgtca accacggcaa gtttaaggcg gagccgtgga cggacgggca cgcgacgtac 180
tacggcgggc gcgacgggtt aactgacacc acggacggcg gcgctgctg ctacaagggc 240
gagctgggga aagactacgg caccctgacg gcggccgtgg gcccgctcgt gtacaccaac 300
ggcaccgggt gcggcgctg ctatgagctc aagggcccca agggcaccgt ggtggtgacg 360

gccaccaacg aggccccgcc gccggtgagc gggcagaagg gcgagcactt cgacctcacc 420
 ataccggcg 429

<210> 22627
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-E9

<400> 22627

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 tctgagcttt aaactcacag taaacttctg cgttgtttca gtggctggct tctcccgtcg 180
 acccggtga caaactggcc tggcctggcc tgcagatctg tctaggagtt cgtaggcgtc 240
 tgagaacttc ctggcaatct ggcatatctg tctaggagtt cggaagcatc tgaaaagtgg 300
 catatctgcc taggagttcg ggagcagcta aaatcttgaa gttagagaga gagagagaga 360
 aagagagaga gagggtgaaa gaagagaact tatgaccaat actgtaattg gctaaagtca 420
 tgtatg 426

<210> 22628
 <211> 368
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D6

<400> 22628

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 ttgggacttg ttgggtcttc ctttgggtgg agagcgaggg agcgagtcg agagccagcg 180
 agcagtctct cgagcagtcg agtgcagctc cggcgtagat gagattgtat tgtgaccaag 240
 ccgggatgga aagcaacgga tggaggacaa agaagttttg tcacgtttca agctacggcc 300
 attggcgga gttgttcggg gaatttattg aattccttat taaaaatccg gtaaaattga 360
 tgggttcc 368

<210> 22629
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-K1-C12

 <400> 22629

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 atggattagc aaataatgaa cgtgaacca tagcacaacc tatctcaaaa cttgaatttg 120
 agtttgagaa gcggaaactg gccaaagatg atgtccgaga attgatttac cgagagattt 180
 tggagtacca tcctcaaagt ctacaagaat acctacaagg agcagaccac aatcagatga 240
 ccttcatgta tccaagtggg gtggatcgct tcaggcgcca atttgctcat ttggaagaag 300
 gtactgcaaa ggggtgaaaa cacagtccac agctgcgaca gaatgtttct ttgccaaggg 360
 aaagagtaat tggcaataaa catggagatg gcaatacagg tgataagcta gcgcatgcct 420
 c 421

<210> 22630
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-K1-C2

 <400> 22630

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 ggatcagcgt aacacagaga aatcaatggg gggaaggatga gagaggcaga cagacacagc 180
 agagagaagc atgcatggtg tgctgcagct gcagtgcagg acgacgacga cgacggcagc 240
 agctagcagc gagtgggtgat gtgagataga gaaacaaaat gcatgcagca aatagctttc 300
 ttcacttttt ttgcaggcgg atcgaggagg gagcggcagg catgaattga tgaaggaatt 360
 aacacaccaa tgcaacttgg aggagcgcctc agctaaacat gtatcttcgt tcacttgtgc 420
 attta 425

<210> 22631

<211> 418
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-K1-C3

 <400> 22631

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 cctcaacatc ttcgagtgcg agaacgtgct gatcgacaaa gtgacgggtca aggcccccggt 120
 cgacagcccc aacacgggacg gcatccacat cggcgactcc agcaacgtga ccatcagcag 180
 caccaccatc ggcgtcgggc acgactgcat ctccatcggc cccggggagca agatgatccg 240
 cattcatggc gtcaagtgcg gcccatgccg cggcatcagc gtctgcagcc tgtggcgcta 300
 caaggacgag aaggacgtgg aagacgtgca ggtgacgggg tgcacgatcg ccggcaccac 360
 gaacggcctg cgcacatcaagt cgtacgagga ctccaagtcg tcgctcaagg ccagcaag 418

<210> 22632
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-K1-C4

 <400> 22632

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 gacccggagt gcgtcgagca gatgggtccag gccgggggtgt gcctcgcctt cgccaagggtg 180
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 ggccacctcg ctttcgagac ggtgcaggag cactccaagt acgccgtcac gtccaagatg 360
 tcgatacact ccgtgctgat ggacagaaaag aacaacgccg nctctgcggt tcagccggac 420
 ttgctggatg c 431

<210> 22633
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C5

<400> 22633

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gcatccaatc ttcttcaactg ggtcctccgc tgcttctagt cacgcatcta aatccggagt 180
tgccagcatt cgcttgaggt gcttgacaaa gcacaccatc atgcaggcta gcgatagggt 240
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tttgtctaga tttgaatggg ctgtaaacad ccagagagac agctatgcct cttatatattg 360
gcactatcca atgctagcat attttgccat tgctgagaac gaatcgatcg gaagagaacg 420
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<210> 22634

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C6

<400> 22634

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tgccctctct ggtggccaca ccttggggaag gtgccacaaa gagcgggtctg gttttgaggg 180
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ccgccctctt gtggagaaat atgctgcaga tgagaaggca ttctttgatg actacaaaga 360
ggcccacctc aagctctccg aactggggta tgctgatgct taaatgggcc atatcctgga 420
gcggggac 427

<210> 22635

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C7

<400> 22635

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tattccacaa taaatTTTTT ctcaccaatg gcaagatatt cttcaagtgg cataagagac 180

tctggatgtg gtgccataaa tgaatttaaa gcttttgtaa gggaggccca caaacgggga 240

attgaggtga tcatggatgt tgtcttcaat catacagctg aaggtaatga gaaaggccca 300

atattatcct ttagggggat agataatagt acatactaca tgcttgacc taaggagag 360

ttttataatt attctggttg tggaaatacc ttcaattgta atcatcctgt agtccgtgaa 420

tttatag 427

<210> 22636

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C8

<400> 22636

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tcctccaccc cggaggccat tagcctgctc tgcactgcca aggtcccatg caccggcgctc 180

accatggatg acgtcaacgt cgagtatagc ggcaccaaca acaagaccat ggctatatgc 240

acgaacgcca agggcagcac caagggttgc ctcaaggagc ttgcatgctt ctagaccctc 300

cgtcgactga cccatctctc tagttataat ttttctctcg tccttgcatg gcatattagt 360

tgctatccat tggtaacgca caacagtaaa acgacaaaaca tccaacagct atattatggt 420

cgacggtgt 429

<210> 22637

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C9

<400> 22637

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 ggtagggata gaaagcgcac tcatttatgc acgcatggtc ctggcaccgc taaactccga 120
 accgaccttc taccataca taccgacctt cagagacgcc gcctacgcac ccgtctgtac 180
 cttctacggt ctttctagcg tctgaggctc atctgctggc aacgctcact ggtctggcgc 240
 ctacgctctg gggacacgga tgactgcctg atctccatgc accgcaacag gagcaca 297

<210> 22638
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D1

<400> 22638

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 ctcttcaata aggccgcccc cggttgccgc gacgtcgccg gccatggtgc gggcgcagga 180
 gaccggggcca tggcggcacc ggcgcgcgagc cccatccctg ggcgcgcgc gcgcacgacgc 240
 cccggtgacg gcggcccctg cgcagacgcg gtcaccggcc tcagccccgg tggcggcgcg 300
 ctgcctcacc ggccccccag cacaggagga cgcgtcggtg gctcggtgct atggacgcgt 360
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<210> 22639
 <211> 422
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-K1-D10

<400> 22639

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 gcgcaaggat cgggggagag aaaccagcgg caacttacgt ggatcggggg tgtttggtgc 180
 tgctgcggcg gcgcagggat ggaccggaag cgcacaaagg acgcgctcga gaagcacctg 240

nagagggtcgt cgccgtctac ttccaggggc gtcgtgtcca aggagagggga ggcctcgcgt 300
gccgggaagc tgccgtcatc gcttggcaag gcggaggtgt ctgatgggtga ggaatttgaa 360
actgacagtg aagattctga tgtgagtggt tccgagggag aggacacgtn ctggatttca 420
tg 422

<210> 22640
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-K1-D11
<400> 22640

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gcataacccc aaccggagag gacggccgac ggctacgagc tacgtagccg tgggtccggcg 120
agtcggggat tccaggtcct tgacaatgac ccaactggaaa aggcaaatgc atccattagg 180
agcagaactc tcatgaacaa gcttgttctg cttttacttt tggttgaact tgtgataacc 240
aaccctaaact gccaaaaaat ctggtgttgc tacatttcta tcaatcttta cctgagcttg 300
tgtttttgta agcttatgca tgtacctcca catgtataga tatgctacct acattttctt 360
tctgtgggtca tatgatatgt tgacaaggtc acagatatac tctcagtata tgatgacgct 420
tctatg 426

<210> 22641
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-K1-D2
<400> 22641

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tctgcatagc tctacctat ctttaggatt atgatttga tttggattcg gatttggatc 120
gggtgtgttt actgcgtaac catgagcgag atcatgaagc taaagcgtgg gatcagcagc 180
aaaccaggag accacctcgt ccaaaatggc caacaacatc catgtcacga atgggaggag 240
caacatcaact actggccctg cacacaggcg ccgacggaga gcacgaccga gtcgcccagg 300

atcccaggcg ggagccagaa gaaggcggtt ctgggcaagg tgaagagcat tgccaagaaa 360
 tggatgcaca tgctgtatca catgaagaaa ccctgcgcca ccggaggaga tgatgtggac 420
 c 421

<210> 22642
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-D3
 <400> 22642

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 gccggcggcc acaggaagga gaaatggctt ccgcacacaa cgctctccgg gtgtttttca 120
 tcctagccgt ggtatgtgcc gtatgcacag cgaaaaggac aggagccaac aaggaagaat 180
 cggcggcagc ccccggtggc gctgctggag gcagcggcgg gacgttcgac atctccaagc 240
 tcggcgcgac cagcgacggc aagacggact gcacaaaggc agtccaggac gcgtggacgt 300
 cagcgtgcga agcgaccgga agcgccacgg tggatgatccc caagggcgac tacctgggtcg 360
 gccctctcaa cttcactggg ccatgcaagg ggagcaacat cgccatccag ctggatggca 420
 acctgctggg a 431

<210> 22643
 <211> 354
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-K1-D4
 <400> 22643

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 gcgcgtcacg ctcgacctca tcaccgaggc gtccggcacc atgtccgcag gcatcgccct 120
 gccaccctcc aacgcgggag cgccctccta cggcgcggcg gcgccttcg ggggctccgc 180
 cgatgcccc gccgggcgct ccgagggccc tgcgagcgcc agcggcccgt ctggtgacga 240
 cgcgccggcg tccggtgctg gtgccagcgc gtcggctgct gatgctctcg cggcggcggn 300
 ctcatgcgga gcctctagcg caccagcgcc atcgacgccc aatgagtact acgt 354

<210> 22644
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-K1-D5

<400> 22644

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ggcgccaga cagggctccc acagccatc accacaacac acaaagacag ctcagagcag   60
gtcacacaca ggctcctctc ccccgttgcg caacgcgctt tccccactt caccgcctc  120
ggcgccatgg ctaagctcgc gctggcgctc ctctcctgc tggccgtggc ggcgccgcg  180
tcggccagca gcgggagcca cctggatctc gacctgggct tcctctctc tggggaccgc  240
cggagggagt gccgcgggac ggtggccgag tgcctcgccg aggagtcgga tgaggagggc  300
cttgacctgg ccggatccca ccgncgcgcg ctctacggcg gcgggtacat cagctacggc  360
gcgctgcggc gggacaacgt gccctgctcc cgccgcggcg ccagctacta canactgccg  420
cccggcggc                                     429
  
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<210> 22645
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A4

<400> 22645

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acccgaggcg tgctcctggg gatgggcaac cccctcctcg acatctccgc cgctcgatcgat  120
gacgccttcc tgacaaagta tgacatcaag ctgaacaatg ctattctcgc tgaggagaag  180
cacttgccca tgtatgacga gttggctagc aagagcaatg ttgaatatat tgccggagga  240
gccaccacaga actctatcag ggttgcccaa tggatgcttc aaactcctgg tgcaacaagt  300
tacatgggat gcattggaaa ggacaagttt ggtgaggaaa tgaagaaaaa cgctcaagct  360
gcaggagtta ctgctcatta ctacaggat gagactgctc ctactggcac atgtgctgta  420
tgt                                             423
  
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<210> 22646
 <211> 267
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-K1-A5

 <400> 22646

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 gagcactacc aagtgttttag ttcaaatttg aactaaatgt tgaggaattt gttccaaatc 120
 cccagcatcc gaacatgcct ttatatatat atatattttt ttttctttgc ccggttttgc 180
 tgatagcatg gtgagaagct gtatattgga gccattcaat gtaaccatta tttatttttg 240
 acagaagata atgtaatttc ctggagt 267

<210> 22647
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-K1-A6

 <400> 22647

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 agaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa atataatata 120
 aaatagaaat atattaaaaa ataaaaaaaa atataatgtt ttttaatgtt tatttgtgaa 180
 aaatattttt gacttgtatt gtttttaatt tgtttatttg aataaattta tttgttctgt 240
 tgttgatttt tgagatatga ttatgccgtt tgctgtttta aatatttggt aagattgatt 300
 ggccaa 306

<210> 22648
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-K1-A8

 <400> 22648

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cgccaggagg aaggaataaa ctcaactgcca gccagtgaag ggggagaagt gtactgctcc 120
 gtcgaccagt gcgcgcaccg cccggcaggg ctgctcatct cgtcgacgac cagtggatta 180
 atcggcatgg cggctctggc cacgtcgag ctgctgcaa cgcccgccgg cctgggctc 240
 ccggacgcgt ccacgttccg ccgcgggcgc gcgcagggcc tgaggggggc ccgggctcg 300
 gcggggggcg acacgtcag catgcggacc agcgcgcgcg cggcgcccag gcaccagcag 360
 caggcgcgcg gcggggggcag gttcccgtcg ctgctgtgt gcgccagcgc cggcatgaac 420
 gtcgtctt 428

<210> 22649
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A9

<400> 22649

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 cctgcaatgc aagccaaatc gcctgctgct gcgctggtca acaactacct gactcagatt 180
 cggcagctgg ggaccatttc aaaatacagg aacgtttcaa gattcatttc tcccatctct 240
 cagccatcta cgaagaacat aggtccatgc tgtagcttca gctcgtcttc tgatggcatg 300

<210> 22650
 <211> 174
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B1

<400> 22650

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 gcgccgccgc ctggggggcc tccgccagca gcggcgcgcc cgccctcgcc gccgcgcccg 120
 ccgcgtcct cttctccctc ctgcctact acctccacta agcgtgtgcg tgcg 174

<210> 22651
 <211> 191
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B10

<400> 22651

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gggaaaaatat gcaatatagt aaagtgaat agaatttaat gggatagatt taacttatgg 120

aaagtgacaa gtgattatga gtttggggga tggtttaatt gcaattttgt ttacattttt 180

aattctgatt a 191

<210> 22652

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B11

<400> 22652

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ggggaaaaaat acaaatacat gatacgagg catctctctg ggacccattc tcgccttagc 120

gccctcctac ggggaggcgg cgccgttcgg aggcgccgag tacgcaccct gcgggacctt 180

ctacggccct gtcagtgcc a gggggccatc ggctgccgac tccctggcgt atggcgccag 240

cgcctttgcc agaggccga ctgctgatgc tccggcgact gcgacagcgg 290

<210> 22653

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B12

<400> 22653

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ctcccggggc gggcggcctc cttttccacc tctgctggt gccagggccg ggagggcgtc 120

gcggaggtgg cgcgcatggg gctcgccggg gacgggtcgg cggacaccgc ccacctcagt 180

aataatgaaa atgggcgggt catttatgga gttgcgagtt ctctgggtaa aagagcatcg 240

atggaggact tctatgaggc aagaatagac gacgttgatg gagagaaaat tggaatgttc 300

gggtgatatg atggtcatgg aggagtccga gcagctgagt atgttaagca gcaccttttc 360
agcaatttaa tcaaacaccc aaagttcatc actgatacca aggctgctat cgccgaaact 420
taca 424

<210> 22654
<211> 239
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-B2

<400> 22654

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cgggatgcct ggcacgcaat gcgcgattct gcctaacacc gacttaacgt cccgtggcag 180
tccaaggtcc acatcctcag ctttttctac ttcctatcca tcggtgtgca aaaggcatt 239

<210> 22655
<211> 432
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-030-Q1-K1-B4

<400> 22655

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gccagaaacc tttttaggcc caataataac aatggaggtg gcagcaaaag agacaagaag 120
cattcttacc gcagtagtgc cagcagcagc agcagagcta ttaccagtgg ttctcaatat 180
tgtgacgcat acagtgggtg tggcatcaac aacagaactg ttctgaatc tgccaagata 240
tctccattgg tggtagctga aaatgttaca ccgcaagaga tggttcctgt actgaagaca 300
ctggaaccaa tcaaatgtac taccagctgc ggcaaagaga agccatttgc cttgctgtcg 360
cgccagtttt cccctgcaag gtacaaggng atgttcacct tttggaacca aaaccaactg 420
gctttttgac aa 432

<210> 22656
<211> 143

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-B6
 <400> 22656
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 gcaacttctt ttctgtgagc cgtgggcgtg tatgcacgtt ttaggtggag aaaatggtat 120
 aaatcagatg aaagggtgaa tgc 143

<210> 22657
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-B7
 <400> 22657
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 ttcgagatca accaaaaatt ggatgacctg tactacggct tcgaagccct gcaaccgtgc 180
 gtggatgatt ggaatgtcca ctacctgaac catgatctct aggtgaactt catggacgac 240
 ttcgacaggg ccctcgagca gattagctct aacgtcatca atgtactcta tatcaatgat 300
 gttcatatgg caggtactat cggaaccagc gatgtgcttc atgatatcca tgtaatgtac 360
 atcaagaacc tcaagcccat tagcgaaggt ggcggtgagc cgcctcatgg gaaacttggc 420
 tgggccatc 429

<210> 22658
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-B8
 <400> 22658
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 tacgtggaaa ttgcagtcct tgtttgaaga gctaagagaa aaacaggcca acgaagaatt 180

ggatagatgt ggactctgct ttgcgaaatt gatgaagtat catgtttctg catccatgga 240
 agagctaagc acttctattg accgtatcaa aacctttgtt gataacttga aaatatttgg 300
 taacagatcc gtgtcagcag aggatggagc taatgggtccg tctaagcaat caaacctctg 360
 tagatatctt gaggaagaat atctccaaac tgagaaaaag gtcgtagctg cattcagttt 420
 ggttgatagt 430

<210> 22659
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-B9
 <400> 22659

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 agaaacgcaa tcaagtacaa gttattgggt ttggagggtt gattcgactt atggaagggg 120
 acgaggagga cgagaaaggg gatggttcag ccacttttg gttgcatttg caattctgat 180
 tgggtggtctc ttattggatg tgctgatatc tgtttttctt ggtgtttccg cacttctgt 240
 caatataata attggtgttc ttatagttct cggattgggg caccgccttc atctagctct 300
 tgagtgctgt cacgaatggg gctcaaggag gaacgttggc aatattccga ggctggagaa 360
 catagcgccg actgggtacc accctgcagt agtataatcg ttatgggact tgtaaatagc 420
 gtaag 425

<210> 22660
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-C1
 <400> 22660

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 gcattcggag aggagagagg aggcctccga gcttgcccc ttcgaccga ccaagaagaa 180
 gaaaaagaag aaggttgtca tccaagaacc ttctgatgaa gtggacaagc ttgcagagaa 240

gacagaaaca ctggcagtcg cagaacccgc tgaacttaac ttcactggaa tgaagaagaa 300
aaagaagaag ccggtggatc ttgattcaac tcttgatgag cttggagatg gggaggacac 360
tcaagatgat caagctgtag aggaacaagg ggaaggcatt gtgctgggaa gtgtccctac 420
atacccttgg ga 432

<210> 22661
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C10

<400> 22661

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atcagtgtgt acgtttggct agatttgaga atgatagaac tatatcgttc atacctcctg 120
atggatcttt tgatctaattg acatacaggc ttagcactca ggtaaaacct cttatctggg 180
tcgaagcaca gattgagaaa cattctagaa gccgtataga actcatgggtg aaggcaagga 240
gtcagtttaa agaaagaagc acagcaacga atgttgaaat tgaagtgcct gttccttcag 300
atgccacaaa cccaaatata agaacttcaa tggggctctgc tgcataatgct cctgagagag 360
atgcaatggt ttggaaaata aaatcattcc ctgggtggcaa ggaatacatg tgcagagcag 420
aatTT 425

<210> 22662
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A3

<400> 22662

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gaaatgatac aactacacaa cattactaaa accataaatt taatcaactc cactataatc 120
caactacctc tacaatcatt aatctaaata tttcttattc acatttattt atgcctattc 180
acaaaaaatc gtactcttac tgactttaca tcttttcata atagctctac atttctctaa 240
tttttacaat tgagaatctt aacctctctg taacgctcat cataaataac ttaatatctc 300

aaaatactct ttacacctct atattcactc tttacgacaa tttcaacata cact

354

<210> 22663

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-C11

<400> 22663

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tcagtttggt ggtgtgagct gatcgagatg gcgatgtagg tatgatgagt accgctgctt 120

gttccgcggt ctgactgag ccactgacga cgactctctc cacaactcct tcatcaccta 180

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<210> 22664

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G9

<400> 22664

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acaagaagca ttctaggcac agtagtagca atggaggtgg cagcaaaaga gacaagaagc 120

attcttaccg cagtagtgcc agcagcagca gcagagctat taccagtggg tctcaatatt 180

gtgacgcata cagtgggtgg ggcataca acagaactgt tcctgaatct gccaaatat 240

ctccattggg ggtagctgaa aatgttacac cgcaagagat ggttcctgta ctgaagacac 300

tggaaccaat caaatgtact accagctgcg gcaaagagaa gccatttgcc ttgctgtcgc 360

gccagttttc ccctgcaagg taaaaggga tgttcac 397

<210> 22665

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H1

<400> 22665

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 gtctgctgcg tctggtggtg gtgaagggga gaaattcgtg agatctgttc cggattaagc 180
 gtgcgagctc gggaatcaag ggtttcacac atagcttcgt cgatttgaat ttgatgtact 240
 aatggagtct aagggtggca aaaagtctag cagtagtcgt tctatgatgt atgaagctcc 300
 ccttggtac agcattgagg acgttcgacc tgc 333

<210> 22666
 <211> 268
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H10

<400> 22666
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 catcttaact tctcgcgaaa attaagttaa caggccgctc cttttttatt ctcacgggtc 180
 gattcggggg tggcccttta aaaaaaattg gcttgagag aacacagccg tttccctagc 240
 taggcgaatc tcccaaaact cccctttc 268

<210> 22667
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H11

<400> 22667
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 ccgcaacgat tggaatgcaa agatttcgta tgagcgagat ggtgtgccca ttggcaaaag 180
 ggcgtactcg gactggcttt acgtcgttcc atgggggctc tacaaggctc tgatttggac 240
 caaggagaag ttcaacagcc ctgtgatgct catcggagag aacggaattg accagcctgg 300
 aaatgagacc ttgccgttcg ctctgtacga caagttcagg atagactact tcgagaagta 360

cctgtacgag ctccagtgcg ccatacgcg cgggtgcaaac gtcttcggct ac 412

<210> 22668
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H12

<400> 22668

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tatttgggga tgggtctatca cactggcttg tcaactgggtc ctgctctgcc ttaccgtcgt 180
tgtactatac catcaaataa aattagtgtg tgctgtaaca cacgagtatt gtactagtgt 240
tttttattgt tttgggtgtca ccacttaagt gttggcttac attacactag tacaatgttc 300
atgcattgca gcggcacata agaacaaata ttatatttta tcttaaccaa aaagtctaga 360
aagggatgag ttaaaaaaga attccaccct ctttt 395

<210> 22669
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-H2

<400> 22669

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ttcagaaggg agccagctcg ccgacgacgt ggaaggggaa agctctctcg agaactgaa 120
gaaacagctt gagatcaaca agaaggcgat ggccgctctt tacaaggagc ttgaggaaga 180
acggagcgct tcggcggtcg cggctagcca gacgatggcc atgatcaata ggctgcagga 240
ggagaaggct gcaatgcaga tggaggctct gcaatacctg aggatgatgg aacagcaggc 300
tgaccacgac cacctggcga ttcaggacct gcacgatttg cttacggaga aggagaaaga 360
gttgcttgac ttggacgctg agctcgcgca ctgcaggagg ctctgcaga acg 413

<210> 22670
<211> 407

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-H3
 <400> 22670
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 acgagacagt caccaacgac gagattgctg ctgacctgaa ggagcacgtc atcaagccag 180
 tcatccccga gcagtacctc gacgagaaga caatcttcca cctcaaccgg tctggccgct 240
 tcgtcatcgg cggacctcac ggcgacgccg gcctcactgg ccggaagatc atcatcgaca 300
 cctacgggtgg ctggggagcc cacggcgggg gcgccttctc cggcaaggac ccgaccaagg 360
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<210> 22671
 <211> 420
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-H4
 <400> 22671
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 cctcgtgcgt tttccaaatc agtcagggtt atggcgatgg agggaccagt tttatgccgc 120
 cctgcaatgc aagccaaatc gcctgctgct gcgctggtca acaactccct gaccagattc 180
 gggcagcttg ggaccatttc aaaatacagg aacgtttcaa gattcatttc tcccatctct 240
 cagccatcta cgaagaacat aggtccatgc tgtagcttca gctcgtcttc tgatggcaat 300
 ggatacatgg ctggaaactt tagcgacagt gatgaagatt atgttaattc tactgtgcta 360
 gaagcagttg aggtgagaag tggatcggaa cgatatgtga taaagatgcg agatgggaaa 420

<210> 22672
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-H5
 <400> 22672

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gaagtgtact gctccgtcga ccagtgcgcg caccgcccgg cagggtgtgt catctcgtcg 180
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ggggcccggg cgtccgcggc ggcggacacg ctacagcatgc ggaccagcgc gcgcgcggcg 360
cccaatcacc atcaacaagc gcgccgcggg ggcaagttcc cctcgtcttt cgtgtgcccc 420
agcgccggga t 431

<210> 22673
<211> 59
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-E1-H7
<400> 22673

accacgcgtc cgaaaaaaca tgaagttttg taaaaggac tcaaatatga taatgtagg 59

<210> 22674
<211> 267
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-030-Q1-E1-H8
<400> 22674

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gagcactacc aagtgttttag ttcaaatttg aactaaatgt tgaggaattt gttccaaatc 120
cccagcatcc gaacatgcct ttatatatat atatattttt ttttctttgc ccggttttgc 180
tgatagcatg gtgagaagct gtatattgga gccattcaat gtaaccatta tttatttttg 240
acagaagata atgtaatttc ctggngt 267

<210> 22675
<211> 434
<212> DNA

<400> 22677

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cctagtgcgt tctccaaatc agtcatgtcg atggcgatgg acggaccact tttatgccgc 120

cctgcaatgc aggccaaatc gactgctgat gcgctgatca acaactccct gaccagattc 180

tggcagcttg ggaccatttg aaaatacacg aacgtatcaa gattcatttg tcccatctat 240

gatccatcta ctaagaacat acttacatgc tgtagctaca gctcgtcttc tgacagcaat 300

ggatacatag ctaaaaactt tagcgacagt gatcaagatt atagttaatt ctactgtgct 360

cgcaccagct gaagtgaaaa gag 383

<210> 22678

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A11

<400> 22678

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ttcagaaggg agccagctcg ccgacgacgt ggaaggggaa agctctctcg agaacgtgaa 120

gaaacagctt gagatcaaca agaaggcgat ggccgctctt tacaaggagc ttgaggaaga 180

acggagcgct tcggcggtcg cggctagcca gacgatggcc atgatcaata ggctgcagga 240

ggagaaggct gcaatgcaga tggaggctct gcaatacctg aggatgatgg aacagcaagc 300

tgaccacgac cacctggcga ttcaggacct gcacgatttg cttacggaga gggagaaaga 360

gttgcttgac taggacgctg agctcgcgca ctgcaggagg ctcttcgaga acgatccggt 420

caacggcgga 429

<210> 22679

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-A12

<400> 22679

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gaccgaggat ttggccgagt tctaggtaga gaatcggttt tacttgtctc agcccggggt 120
 ctgctgcgtc tgggtggtggt gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
 gcgagctcgg gaatcagggg tttcacacat agcttcgtcg atttgaattt gatgtactaa 240
 tggagtctaa ggggtggcaaa aagtctagca gtagtcgttc tatgatgtat gaagctcccc 300
 ttggctacag cattgaggac gttcgacctg ccggaggcgt gaagaagttc cagtctgctg 360
 cttactccaa ctgcgcgaag aagccatcct gatatccctt ttggcttctc attctagta 419

<210> 22680

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-A2

<400> 22680

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 ccgcaacgat tggaatgcan agatttcgta tgagcgagat ggtgtgcca ttggcaaaaag 180
 ggcgtactcg gactggcttt acgtcgttcc atgggggctc tacaaggctc tgatttggac 240
 caaggagaag ttcaacagcc ctgtgatgct catcggagag aacggaattg accagcctgg 300
 aaatgagacc ttgccgttcg ctctgtacga caagttcagg atagactact tcgagaagta 360
 cctgtacgag ctccagtgcg ccatacgcga cggtgcaaac gtcttcgggt acttcgcgtg 420
 gtcgctgctg 430

<210> 22681

<211> 144

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G7

<400> 22681

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 tgcaacttct tttctgtgag ccgtgggcgt gtatgcacgt tttaggtgga gaaaatggta 120
 taaatcagat gaaaggggtga atgc 144

<210> 22682
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-E1-F12

 <400> 22682

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 gcattcggag aggagagagg aggcctccga gcttgcccc ttcgaccga ccaagaagaa 180
 gaaaaagaag aaggttgtca tccaagaacc ttctgatgaa gtggacaagc ttgcagagaa 240
 gacagaaaca ctggcagtcg cagaaccgcg tgaacttaac ttcactggaa tgaagaagaa 300
 aaagaagaag ccggtggatc ttgattcaac tcttgatgag cttggagatg gggaggacac 360
 tcaagatgat caagctgtag aggaacaagg ggaaggcatt gtgctgggaa gtgtcnctac 420
 atacc 425

<210> 22683
 <211> 349
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-F2

 <400> 22683

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 tcggcggcct cgcctgggcc acggacgacc acaccctcca caacgccttc aacacctacg 180
 gcgaggtcct cgagtccaag atcatcctcg atctggagac ccataggtcc cgcggcttcg 240
 gcttcgtcat cttctccacc gaggacgca tgcgggacgc catcgagggc atgaacggca 300
 acgagctgga cgggcgcaac atcagcgtca acgaggccca ctcccacgg 349

<210> 22684
 <211> 395
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F3

<400> 22684

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atggatcttt tgatctaata acatacaggc ttagcactca ggtaaaacct cttatctggg 180
tcgaagcaca gattgagaaa cattctagaa gccgtataga actcatgggtg aaggcaagga 240
gtcagtttaa agaaagaagc acagcaacga atgttgaaat tgaagtgcct gttccttcag 300
atgccacaaa cccaaatata agaacttcaa tgggggtctgc tgcataatgct cctgagagag 360
atgcaatggt ttgggaaata aaatcattcc ctggt 395

<210> 22685

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F5

<400> 22685

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gccaacggcg cctccaaggt caccgtcaag gacgtcacct tcaagaacat cactggcacc 120
tcctccaccc cggaggccat tagcctgctc tgcactgcc aaggccccatg caccggcgctc 180
accatggatg acgtcaacgt cgagtatagc ggcaccaaca acaagaccat ggctatatgc 240
acgaacgcc aaggcagcac caagggttgc ctcaaggagc ttgcatgctt ctagaccctc 300
cgtcgactga cccatctctc tagttataat ttttctctcg tccttgcatg gcatattagt 360
tgctatccat tggtaacgca caacagtaaa acgacaaaca tccaacagct atattatggt 420
cgacggtgta acaccctgaa 440

<210> 22686

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F6

<400> 22686

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gtataaagct aatgccctgc catgagttca atgagctaga gtacttcagc tcctcttcga 120

agatgaactt ctggggatat tccacaataa attttttctc accaatggca agatattctt 180

caagtggcat aagagactct ggatgtgggtg ccataaatga atttaaagct tttgtaaggg 240

aggccccaaa acggggaatt gaggtgatca tggatgttgt cttcaatcat acagctgaag 300

gtaatgagaa aggccaata ttatccttta gggggataga taatagtaca tactacatgc 360

ttgcacctaa gggagagttt tataattatt ctggttggtg aaataccttc aattgtaatc 420

atcctgtagt ccgtgaattt atagtggat 449

<210> 22687

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F7

<400> 22687

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tgccctctct ggtggccaca ccttgggaag gtgccacaaa gagcggctctg gttttgaggg 180

ggcctggact acgaaccctt tggctcttga caactcttac ttcaaggaac ttctgagtgg 240

cgacaaggag ggccttcttc agctcccaag tgacaaagcc ctgctgagcg accctgtctt 300

ccgccctctt gtggagaaat atgctgcaga tgagaaggca ttctttgatg actacaaaga 360

ggccccacct aagctctccg aactggggta tgctgatgct taaatgggtcc atatcctgga 420

gcgggacaca a 431

<210> 22688

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F8

<400> 22688

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 gcatccaatc ttcttcaactg ggtcctccgc tgcttctagt cacgcatcta aatccggagt 180
 tgccagcatt cgcttgaggt gcctgacaaa gcacaccatc atgcaggcta gcgatagggt 240
 caacataaac tctcagcttg agcatcttca agccaaatat gttggtacag ggcatgctga 300
 tttgtctaga tttgaatggg ctgtaaacad ccagagagac agctatgcct cttatattgg 360
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<210> 22689

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F9

<400> 22689

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 gacccggagt gcgtcgagca gatggctcag gccgggggtg gcctcgctt cgccaagggtg 180
 ctcaaggagg gacccatgaa ggtgcaggcc atgctggcct gggccgtctc ggagctcgcc 240
 gccaaaccacc ccaagtgccg ggacgccttc gcgcagcaca acgtcatccg gctgctcgtc 300
 ggccacctcg ctttcgagac ggtgcaggag cactccaagt acgccgtcac gtccaagatg 360
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<210> 22690

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G1

<400> 22690

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 tcgcgagggt ggcgcgcatg gggctcgccg gggacgggtc ggcggacacc gccacacctca 180

gtaataatga aaatgggcggt ttcatttatg gagttgagag ttctcctggt aaaagagcat 240
 cgatggagga cttctatgag gcaagaatag acgacgttga tggagagaaa attggaatgt 300
 tcggtgtata tgatgggtcat ggaggagtcc gagcagctga gtatgttaag cagcaccttt 360
 tcagcaattt aatcaaacac gcaaagttca tcaactgata 399

<210> 22691
 <211> 333
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-G10
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 tgtagacttc atatagagtt gtttgagcac gatgacaagg tttgtttgaa tttaaaaatt 180
 tgcatttggt gacacgcgca gtttcaagca cgcctagtat ttatcttctc atgcgagcag 240
 ttggttcaac ttcgagaaat attttaaacta cactttactg ggggccttcg tcttccgaag 300
 gtcccaacaa acatgattta acaatgtttc cgg 333

<210> 22692
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-G11
 <400> 22692

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 cgggaagaca tgccgcatta tgcaatactg gctgatacaa acttcacata tacctgggaa 180
 cccaaggatg agatcccaaa cttcttctaa ttcccggtcca tcgtgatgca ccagagcggg 240
 aggcggtat agtgccaaca aaatggacag acgcctccgc atctttgtca cgttcgatta 300
 gccccgcga gaaaactacc acatggagtt caacgagtat tggaaaatca acgacaaaaa 360
 tagtccaacc ccccatatgg 380

<210> 22693
 <211> 231
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-G12

 <400> 22693

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 gggttattat tctccatagt cgtgtactaa ttccagtaac cttctacatg cctgcctacg 180
 acttcatggt ccacgacgga tactggtaca gtagcgatta cactgtcctg g 231

<210> 22694
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-G3

 <400> 22694

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 gtggaggtaa ccacccttaa a 141

<210> 22695
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-G5

 <400> 22695

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 tacgtggaaa ttgcagtcct tgtttgaaga gctaagagaa aaacaggcca acgaagaatt 180
 ggatagatgt ggactctgct ttgcgaaatt gatgaagtat catgtttctg catccatgga 240
 agagctaagc acttctattg accgtatcaa aacctttgtt gataacttga aaatatttgg 300

taacagatcc gtgtcagcag aggatggagc taatgggccg tctaagcaat caaacctcg 360
tagatatctt gaggaagaat atctccaaac tgagaaaaag gtcgtagctg cattc 415

<210> 22696
<211> 413
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-030-Q1-E1-G6

<400> 22696

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tcgagatcaa cgacaaatgc gatgaccacg cagaaggcat cgaagccctc caacagtggg 180
acgatgagtg agataaccat cacctgcacg atgatttctc gctgcaccat atcgaaaagc 240
tggacagagg caacgggcag cataactgag gttttatttc tcgacattac acaaatgact 300
tttatatggc agccactttt ggtacagttg atgtgcttag gttatccaag tttttggccg 360
tcagaacctc aagcccatta ncgaaagtgg cggggagccg cctcatggga aac 413

<210> 22697
<211> 432
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-030-Q1-E1-F11

<400> 22697

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gacacagcag agagaagcat gcatgggtgtg ctgcagctgc agtgcaggac gacgacgacg 240
acggcagcag ctancagcga gtgggtgatgt gagatagaga aacaaaatgc atgcagcaaa 300
tagctttctt cacttttttt gcaggcggat cggaggggga gcggcangca tgaattgatg 360
aacgaattaa cacaccaatg caacttgag gagcgctcag ctaaacatgt atcttcgttc 420

acttgtgcat tt

432

<210> 22698

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D7

<400> 22698

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tcgcgctagt ggcggccacc gccccacagg tagcggaggc aaagaagaag agagcggcgg 180

agagcggcga ggcggcggag gcgaagaaga tccaggacga cttctgctcg acgctgtgcy 240

agggcaagaa ggggacggac ctggtcgtgt gcaaggagtc ctgcgctctc tcccagcagt 300

ccaacctggt gctgtacggc aggatccagt gcaagggcaa gtgcaccgag cagaagggca 360

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<210> 22699

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D8

<400> 22699

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aggatgcaga agaagggccc taccaccacc atgggcaaga cgccttcgct gagaggctac 120

gtcgtcgatc cggagctcgg ttccaacgag ggctagaggt cgtgcttgct cttttgggta 180

gcggaaaaaa aataggggtgt ttctcccccc cggctcttgg tgttatattg tatatttaag 240

atcaggggaa aaaaactggt atcacacgtt ttggaaccga agctaatttg agtacaggta 300

tacatacatg catgtaatgt gagcgaagtg gcatcggaga ttcggagaga tcgatgccga 360

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g 421

<210> 22700

<211> 406
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-E10

 <400> 22700

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 tcctagccgt ggtatgtgcc gtatgcacag cgaaaaggac aggagccaac aaggaagaat 180
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 cagcgtgcga agcgaccgga agcgccacgg tggatgatccc caagggcgac tacctgggtcg 360
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<210> 22701
 <211> 228
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-E11

 <400> 22701

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 tctgcatagc tccccccaac attaggatta cgattttggc ttggatttgg atttggatcg 120
 ggtgtgtttc ctgcgtaacc atgagcgaga tgatgaaact aaagcgtggg attagcacca 180
 aaacaggaga ccacctcgtc cataatggcc atgaacatcc atgtcacg 228

<210> 22702
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-E12

 <400> 22702

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ctcttcaata aggccgcccc cggtgggcgc gacgtcgccg gccatggtgc ggggtgcagga 180
gaccggggcca tggcggcacc ggcgcgcgagc cccatccctg gcgacgacgc ggcatacaagc 240
cccgggtgacg gcggcccctg cgcagacgcg gccaccggcc tcagcccccg tggcggcgcg 300
ctgcctcacc gggccccag cacaagagga cgcgtcggtg gtcgggtgct atggacgcgt 360
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<210> 22703

<211> 433

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-E2

<400> 22703

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agcagaactc tcatgaacaa gcttgttctg cctttacttt tggttgaact tgtgataacc 240
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tgtttttgta agcttatgca tgtacctcca catgtataga tatgctacct acattttctt 360
tctgtggtca tatgatatgt tgacaaggtc acagatatac tctcagtata tgatgacgct 420
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<210> 22704

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-E3

<400> 22704

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gcgcaaggat cgggggagag aaaccagcgc caacttacgt ggatcggggg tgtttggtgc 180
tgctgcggcg gcgcaaggat ggaccggaag cgcataaagg acgcgctcga gaagcacctg 240

gagaggtcgt cgccgtctac ttccaagggc gtcgtgtcca aggagagggga gcgcctcgct 300
gccgggaagc tgccgtcatc gcttggcaag gcggaggtgt ctgatgggtga ggaatttgaa 360
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tggttctgta cattgcg 437

<210> 22705
<211> 304
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-E1-E4
<400> 22705

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aactttgaaa agaattcattc tacttaaatt cactgacgac gggacattct gtaacaccgt 180
caacatcaaa gacgcctcag tgtatacata cgctggtgaa agcacacact cgtgtcagat 240
gacaacaagt tcatattgcc ttattttctc aggtggcact gaagcagcat cctgaccaag 300
atga 304

<210> 22706
<211> 365
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-E1-E5
<400> 22706

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ccagtctttt gggtcacaaa aggtttctct gggagcaaac catcgatggt actttttcca 180
gcgtgcatat gtatttatgc tgggtaactc aaaacagtat ctggcctttg cgtaccagat 240
taggttttgt tcggttattc ctatcttcat gtggattgta tgagattgga aggaattatg 300
agagatgttg acttgtttag gatttaaata atccaataat ccacataatt caagtttcgt 360
tggtg 365

<210> 22707
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-E6

 <400> 22707

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 gcgtctattc tttccacgac acttcccaga ttgggttagag cttcctgggt ccatcatcct 180
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 cttcatatgc cttgtgatcg gatgctacct gctccaagaa cacatcaagg cgtcaggtgg 300
 attcaagaac gccttcagga agggcaatgg tgtgtcgaac tccatcggca tccttctgct 360
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<210> 22708
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-E7

 <400> 22708

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 ttgggacttg ttgggttttc ctttgggtgg agagcgaggg agcgcagttg agaccagcg 180
 agcactctct cgagcactgc agtgtagctc cggcgtacat gagattgtat tatgaccaag 240
 ccgggatgga aagcacggag gggaggataa acaagttttg tcacatttca cgctccagcc 300
 atcacctgag tttgtccggc gaatatatcg atttcctatt acaaatccgg ataaaatgat 360
 gtgttcctgc actgcctgat tacgtaacgc act 393

<210> 22709
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-E8

<400> 22709

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cggagggagt gccgcgggac ggtggccgag tgcctcgccg aggagtcgga tgaggagggc 300
cttgacctgg ccggattcca ccgccgcgcg ctctacggcg gcgggtacat cagctacggc 360
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<210> 22710

<211> 335

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-E9

<400> 22710

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gccacctcc aacgccggag cgccctcta cggcgcgcg gcgccttcg ggggctccgc 180
cgatgcccc gccggcgcc cccagggccc tgcgagcgcc agcggcccgt ctggtgacga 240
cgcgcggcg tccggtgctg gtgccagcgc gtcggctgct gatgctccg cgccggnngg 300
ctcatccggt ccctctagcg caccagcgcc atcgt 335

<210> 22711

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-F1

<400> 22711

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taatggatta gcaaataatg aacgtgaacc catagcacia cctatctcaa aacttgaatt 120
 tgagtttgag aagcggaac tggccaaaga tgatgtccga gaattgattt accgagagat 180
 tttggagtac catcctcaaa tgctacaaga atacctacaa ggagcagacc acaatcagat 240
 gaccttcatg tatccaagtg ggggtggatcg cttcaggcgc caatttgctc atttgggaaga 300
 aggtactgca aaggggtgaaa aacacagtcc acagctgcga cagaatgttt ctttgccaag 360
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 ctc 423

<210> 22712
 <211> 377
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-F10
 <400> 22712

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 gcaccaccat cggcgtcggc gacgactgca tctccatcgg ccccgggagc aagatgatcc 240
 gcatccatgg tgtcaagtgc ggcccatgcc acggcatcag cgtcggcagc ctggggcgct 300
 acaaggacga gaaggacgtg gaagacgtgc aggtgacggg gtgcacgatc gccggcacca 360
 cgaacggcct gcgcac 377

<210> 22713
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-D6
 <400> 22713

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 gagggagctg gatggcattc aggtggagct acaagcaacc gacccgagcg aaatgagcat 180

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<210> 22714
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 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-B9
 <400> 22714

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 cgggtggtctc catcctcctc ctctcctcc atggcctcct ctgcctgcag ctggctgcct 240
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 ccccgccgcc tgctccgccc gaggacgcgg atgagcggcg cgactatttc cgcgccatgc 360
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<210> 22715
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-C1
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 agaagtgttg ccatctatgg atgattctgt tgggaatttg tttgctaata gcagcacaca 180
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 tgttcaccct gcacaacaca cttcttctgg ggaggctaaa actggcaagc aagaaaacat 300

aaacaatgaa tgtgtgggaa gacttgcac agtcgaaggg gtcagtgagc aactaaatct 360
acattctgat tctattacaa atggcagtca gcatgatttg attcccaaac ttgatgtgct 420
atcatcaaat ac 432

<210> 22716
<211> 405
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-E1-C10
<400> 22716

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aagcactgaa ttacgatgat caaagtggaa accttcgcc acctccttgg gaggtcagc 180
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ttccacaaag gcagccaatg tacagcaacc agccaggggt tgtgggtggc ccaacacaga 360
tgcaggcacg cttggggaac cagcagttgg gttcgacac catga 405

<210> 22717
<211> 248
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-030-Q1-E1-C11
<400> 22717

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tgggaagtca ttttctcttg tatcgtgtca ttttcatttc atttccttgg gtttttgttt 180
tgtcgctctt ggaatggaac attccttttc gtaacttaag tgaattgcat tacattaaat 240
tttccttt 248

<210> 22718
<211> 355
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C2

<400> 22718

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ctctcatttt ggcgatactg cggacttcaa gtttaagaga cgaagcttct agagtcatgg 180

ttgccgctcc tattctggca tttgtgacaa cccacattct gtacctcaac ttctatgagc 240

ttgacaaagg cctaaacatg aagggttgta ctgtgataag cattgctcag tgtctcctgt 300

gggcactgtg ggctgtcatg agtgggcatc gttcgcggt caagatcata tctgt 355

<210> 22719

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C3

<400> 22719

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cagagacttc aattcctctc aacttactta ccagcaagaa cttcaacatc ttgaaagttg 180

ggtgaaagaa tgcagggttg accaactacc atttgtgcga caaaatttgg catacttctt 240

attgtccgct gctggctgca tgtactcccc tgaactgtct gaagctcgca ctttgtgtgc 300

aaaaaatggt gcgctcataa ctattgttga tgacttcttt gatgttggag gatcaaaaga 360

agaacttgaa aaccttgtca tggttggtga gctgtgggac gagcatcaca aaattgagtt 420

tta 423

<210> 22720

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-C5

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 gccagtacaa ggatcatggt aattggatcg agattctacg cgtggacaac cttgtcatca 420
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<210> 22721
 <211> 390
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-C7
 <400> 22721

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<210> 22722
 <211> 413
 <212> DNA
 <213> Zea mays
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<210> 22723

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D10

<400> 22723

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 cggggccctc cgccagcagc ggcgcccgcg ccctcgccgc cgcgcccgcg gcgctcctct 360
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<210> 22724

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D11

<400> 22724

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 cggagaactg gggcaagctg agccccgcgt acaagctgtg cgggcagggg aagcagcagt 240
 ccccgatcga catcgtcacc aagcaggccg tccccaacgc caacctcgac accctcaagc 300

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<210> 22725
<211> 407
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-030-Q1-E1-D12

<400> 22725

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aacgccccgt gcttctgctg cggggccttg aagcccaacc agtgctacga aacgagggac 360
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<210> 22726
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D2

<400> 22726

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<210> 22727
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-E1-D4

 <400> 22727

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ccgggaaaaa gttgacatcg atggcatcca acatcatcac tgatcttcag gaccgcatcc 120
tctgagcttt aaactcacag taaacttctg cgttggttca gtggctggct tctcccgtcg 180
acccgggtga caaactggcc tggcctggcc tgcagatctg tctaggagtt cgtaggcgctc 240
tgagaacttc ctggcaatct ggcatactctg tctangagtt cggaagcatc tgaaaagtgg 300
catatctgcc taggagttcg ggagcagcta aaatcttgaa gttagagaga gagagagaga 360
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<210> 22728
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-D5

 <400> 22728

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ccccacgtca accacggcaa gtttaaggcg gagccgtgga cggacgggca cgcgacgtac 180
tacggcgggc gcgacgggtt aactgacacc acggacggcg gcgcgtgcgg ctacaagggc 240
gagctgggga aagactacgg caccctgacg gcggccgtgg gcccgtcgct gtacaccaac 300
ggcaccgggt gcggcgcgctg ctatgagctc aagggcccca agggcaccgt ggtgggtgacg 360
gccaccaacg agggccccgc gccggtgagc gggcagaagg gcgagcactt cgacctcacc 420
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<210> 22729
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<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-E1-B8

 <400> 22729

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 aggctaacaa tagcaccaag gacacaccga cagagtcaaa agagaccgtt ggcggtgacg 180
 acggcacggc ccagagccag acgagcttcg acgacatgaa tggcagtacg aacgactcgc 240
 agcccatgaa agaagacggg aaggtcgccc agaatagctc cgatgaaact gccagcggcg 300
 gcaaggtgga aagcacagac gacgacgcga caaccggcgc ggcgtcaaac aacgcaactt 360
 ccggaggcca naacgtcgcg gccgagacca tggcatttgc agccgcggat gatggcgcca 420
 acggcaacat cac 433

<210> 22730
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-030-Q1-E1-A12

 <400> 22730

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 accacctcca gaacaccacc cagttcggcc tcatggccgt cagcctcggc tactacgaga 180
 cgctcatgtc ctgctccggc agcagcacca gcagcgagat gccgcccag gaccgcgcgc 240
 gcgcgggcat ctccccgggc ctcgtccgca tgtccgtcgg ctacaacggc acgctggagc 300
 agcgctgggc gcagttcgag cgcgcgctcg cgctcatgca gacgccgacg cccacgcacc 360
 atctcaaggc cgccgcccgc gaccgcgacg ggcccgaagc cgccaacaac accaccgcaa 420
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<210> 22731
 <211> 241
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-A2

<400> 22731

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ctctctcgcc gtccacgagt cacggcgagc ggcgtcgacg gcgggcgggg gtcctggccg 120

ttcaccacca tgctgaccc caccaccaa ccccttcgc cacgccccg ccgtcgccgc 180

aagctctgcg gnetctgcct cggaacgcg ctctcgcg tcctcgttgg cgcgctcggt 240

c 241

<210> 22732

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A3

<400> 22732

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tgcatgcgct tggttttata gaatctccag aactaggttt agaagctccc ttggcccatc 120

atgtgatgca cttttatgag atgatgggtg acacacttgc tgtacagtat agcggttctg 180

ctgctcataa caaggtattc tctgcaaaga gaggtcactt gaagcttttt attcagtcac 240

aagagttctt taggacactt cagcggcact acagcaacac ctgtatagat gctaacaaac 300

aggctgctat aaacttgttt ttgggatact tccagccaca gcaggaaaaa cctgcactgt 360

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ca 422

<210> 22733

<211> 395

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-A4

<400> 22733

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 accttcccc agaactatcc caacagcccc ccatcagtaa gatttacttc tgagatgtgg 180
 catccgaatg tttatcctga tggacgtggt tgcatttctg ttcttcatcc acctggtgaa 240
 gatcccaatg gttatgagct tgcaagcgaa cgatggacac cagtgcacac gggtgaaagt 300
 atagttctga gcatcatttc gatgctctct agtccaaatg acgagtctcc agcgaatatc 360
 gaagctgcc aaggattggag agaaaagcgg gatga 395

<210> 22734
 <211> 323
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-A5
 <400> 22734

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 cgggggatggc aagacgctca agacgggtccc cttccagaac gccgtcttct acgttcgctc 180
 cttcgccgac aagggcgggcg cgcacctgta cgtgcccagg ggccgctggc ccaccgggag 240
 cttcaacctc accagccacc tcatcctcta cctggaggaa ggcgccgtca tcgtcggcgc 300
 aaaggactca tcacaatggc tga 323

<210> 22735
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-E1-A6
 <400> 22735

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 tgaagtatct agtgatggag gtgggtgccc tatgctaaga tcattgatcc ttgacaattg 180
 cgagaatttg agcattgtag aactgaacag cagttctttg tcctgcctct ctcttgctgg 240

ttgcccgtctg atgacattgt taaaactctc atgcccaaat ctgcaacatg tcaatcttga 300
tggctgtgat caccttcaaa gtgcagcatt ctgtccagtg ggtctcgaat ccctaaatct 360
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<210>	22736
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<212>	DNA
<213>	Zea mays

<400> 22736

<210>	22737
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<212>	DNA
<213>	Zea mays

<400> 22737

<210>	22738
<211>	374
<212>	DNA
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<400>	22738
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 gcgccatctg ggcgttcagc gtcgtcacct acttcccgtt ggacgtgctc aagttcgcca 240
 tccgctacgc gctctccggc aaggcctgga acaacatcaa caacaagacg gccttcacca 300
 accgcaccga ctacggcaag ggcgagcgag aggcgcagtg ggccacggca cagaggacgc 360
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<210> 22739

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B10

<400> 22739

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 ccacttcacc gccatcgtgg tcgccggcat ggggttcttc accgacgcct acgacctctt 180
 ctgcatctcc ctcgtagacta agctcctcgg ccgcatctac tacaccgtgg aggggtccgc 240
 gacgcccggc accctcccgc cgcacgtgtc cgcgctccgtc aacggcgtgg ctttcgtggg 300
 cacgctgtca gggcagctct tcttcggctg gctgggagac aagctcgggc gcaagaaggt 360
 ctatggcatg acgctcatgc tcatggtcct ctgctccgtc gcgtcggggc tc 412

<210> 22740

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B11

<400> 22740

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 gtagatttgt ttccatgctt cggaatcctt caccaattct tcgtgcttgt gctgcctttg 180
 cccttcttca gttcacaatc ccaggaggtc ggcatgcagt gcatcacgca ggtctcttgc 240
 aggaagcagg ggcaggtcgg gtgttgcgcg caacagcggc agcgacaaca gcttctattg 300

aagctaaaat ctttgccagg attgtactca cgaacttga gcaccatcag ttagggatgt 360
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 ctg 423

<210> 22741
 <211> 76
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B12

<400> 22741

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 ttcgtcctct taattg 76

<210> 22742
 <211> 422
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-E1-B3

<400> 22742

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 caactttggt gccatgactc taaaggaatt tgtagaaaca gaagatggga acgatgaaca 180
 acgagcgctt ggtttcacat tttctttccc agttagacaa acatcagtat cttcgggggtc 240
 attgattagg tggaataaag ggtttttgat tgaagatgcg gttgggaaag atgtgggtca 300
 atgcttaaata gaagctcttg ctangaatgg actaaatgtg cgagttactg cactgggtgaa 360
 tgacaccgtg gggacattag ctctaggaca ttatcacgat gaggatacag tggctgctgt 420
 ga 422

<210> 22743
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B4

<400> 22743

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actaagtgat gcggcaagca gattcttttt gttgtactca tcagagattc ttggtttcat 180

ggtggccata atgttttttg gaattatgcg acagacttca gcatgggaat gtgattcttc 240

tatgccatcc attttgtcag ccatagagtc taatcttggga ctcccaaagg cattcatgtt 300

tctttgcttc atgccaatac ttgtattttg tgcctttttc attttcacgg cggagcaaaa 360

accaccatth gggaccttct tattggttac tctgatctgc tacatagttg ctaatggttt 420

cacaattttg ttg 433

<210> 22744

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B5

<400> 22744

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tggagtctct cctcgccctg cgatccatta ggtcttctct ctccgccgtc gccagcatca 180

ggggcgccgc ttccccaggg cctcgcgcgc tcgccacct cgccagcgcc tgcgccggcg 240

cccgtctccg cgcgctccgt gctggccaca cggactcaat ccttgagggtg ctggcacagg 300

acgatatgct gaacgcaaag gagctgggtc aatgggagaa tggcttgtca ttcaatgaca 360

tagcggctag gcaggggatt cgcatecgca gacactgccg ccccaactgcc t 411

<210> 22745

<211> 386

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-B6

<400> 22745

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 gcatggcggc gccgcccggc agggccccggg ccgactacga ctaccttate aagcttcttc 180
 tcattgggga tagcgggtgtt ggcaagagtt gcctcctgtt gcggttctct gatggttcct 240
 tctactacaag ctttattacc acaattggta ttgactttaa gatacggaca atagaattgg 300
 atggtaagcg tataaagcta cagatttggg atacagcggg ccaagaacgc ttccgtacta 360
 ttaccactgg gtactaccgt ggagct 386

<210> 22746
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-B7

<400> 22746

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 ccgcccgcga cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc 180
 gccgtcctcg tcgtcatcgc cgctcggcc accgcagtgc tggcctccac cgaggccgcc 240
 gccgcgggcg ccccaactgc ctccgagtcg tccgcccagg ctcccgtg gcgtggcgct 300
 ggcgctgccg ctggcgccgc cgctcgggg cctccgcca gcagcggcg gcccgccctc 360
 gccgcccgcg ccggcgcgct cctcttctcc ctctcgggt actacctcca ctaagcgtgt 420
 gcgtgcgt 428

<210> 22747
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A11

<400> 22747

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caaccagacg cgggtcgtca agaccctgg tggcaagctc gtgtaccagt acaccaagaa 180
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gaggccagct gagtacaaaa ggtccaggtt gtctaggaac cgcagaactg tgaaccgtcc 300
ctatggggga gtactatctg gaactgcagt tagagaaagg atcatccgtg ctttcctggt 360
tgaagag 367

<210> 22748
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G6

<400> 22748

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gcctgctcta ccgcagggcg ctcaaggaca cgctcaactg ggccgtccac cgccacctct 180
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ccgatcccta cattgttcca tgggcaccag gcggcactaa attcacaaga aacccccctc 360
cacctcaagg gatcgagatc atctacaatt atggcaagga ggaccagtaa acaagagtcc 420
tgcaagcggg gggcagaact 440

<210> 22749
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G7

<400> 22749

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gtgcacctct gtcaagtgc acacaaagat ttatgaatat atgtctaggt gtcccagtgg 180
gtcaaggcta tggattgact gaaacttgtg ctggagcagc tttcactgaa tgggatgata 240

caaatgtggg tcgtgttggg ccaccacttg cttgctgcta tgtgaagctt gtctcatggg 300
aagaagggtg ttacaagatt tctgattctg cgatgccgag aggagaggtc gtggttggcg 360
gacacagtat aacataaggt tatttcaaca atgaagcaaa gacgaacgaa gtatacaagg 420
ttgatgagag gggcata 437

<210> 22750
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G9

<400> 22750

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ccggtggggtc cttcgacatc accaagttgg gcgcctccgg caatggcaag acggatagca 180
cgaaggctgt gcaggaggcg tgggcatcag cgtgcggcgg caccgggaag cagacgatcc 240
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acgtgaccat ccaggtgaat ggcaatctgc tggcgaccac ggacctaacg cagtacaagg 360
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agctc 425

<210> 22751
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H1

<400> 22751

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ataagctagg tggccagttc cacctgagct ccagcttctc tgaagggtgta cgggcccgtg 180
acatctgcct ttctttctca tcttatgaaa ggagatttgc cacgaggaac tacatgaccc 240
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ctccgctttt tgccaatgct ccagccgaga aagggtggcaa aaacttcatg attgatttca 360
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 agctgcttat tcagaatcag gatg 444

<210> 22752
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-H11
 <400> 22752

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 cgcgacacct gccgcgagat cgggttcacc tccgacgacg tggggctcga cgccgaccgc 360
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 cact 424

<210> 22753
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-H12
 <400> 22753

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 gagggcaccc cccccgtggc gaacgggatc gcggacagcc ggtcgttccc gctgtaccgc 360

ttcgtgcgcg aggagctcgg ctgcgtgttc ctgaccggcg agaggctcaa gtccccccgc 420
gaggagtgca acaaggtggt cgtc 444

<210> 22754
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H3

<400> 22754

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gttgctctaa ctaccaatcc ttctttccat gaacttctct tgactactat aaaaaattgg 180
ccaccaacat tataactcagc ctcaccggtc atatctgcc ttagagccaca gctaaaactcc 240
tcctcgatgg ctgattcatt gaaagagtca ttagctgaat tgtatgtgat caatgggtcaa 300
tacgaaaagg cactttctct ttatgctgaa ctctgaagc cagaagtatt cgagtttatt 360
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aataaaagaa 430

<210> 22755
<211> 191
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H4

<400> 22755

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ttatatgtac ctgccattgt catttcatta ggtacgttgt tgcaaacttt taccacagta 180
tttatcttca c 191

<210> 22756
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H6

<400> 22756

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gcgggcccc gaaggtgcc aacggcccca acatcaccac caactacaac ggcaagtggc 180
tcaccgctag ggccacctgg tacggtcagc ccaacgggtg cggcgctcct gacaacggcg 240
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acgtccccat cttcaaggac ggcaagggct gcgggtcatg ctacgaggtg agatgcaagg 360
aaaaacctga gtgctcgggc aatccagtca cgggtgtacat cactgacatg aactacgagc 420
ctatcgctcc ctaccacttc g 441

<210> 22757

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H7

<400> 22757

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acgttttagta ttatactgaa cttttcagtc tccatggcct tatatgcatt ggttctcttc 180
taccacttgt ttgctaaaga gctggcacct cacaagcctc ttgcaaagtt cttgtgcac 240
aaagggattg tcttcttctc tttctggcag ggttttgcgc tcgatgtttt aaccaagca 300
ggcgtgatca aatcccacca tttctggctg gacgtggagc acatccagga ggcatccag 360
aacgtcctgg tgatccttga gatgggtgtg ttctccgtca tccagcagta cgcataccac 420
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<210> 22758

<211> 446

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-H8

<400> 22758

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tgactgtaca aatattgatt tgacgagcaa aaaaggcagc tccactggaa cttgtgataa 120

gactgttgat gcaaaataca acacaagaag cattaccagc aatgctacca tgaacactta 180

cgtacaaccc acttctggaa gttttgccaa cagacttgcg aaaaatgttg atgtaaatcc 240

gaacattgga tccatcagta atagagatgc caagagttct gatatgaagg cccacatggg 300

aagcaacacc atcagtgcgc ccaaaagctc tattgtaaag ctagatacag gtaacatcac 360

tgatagaaat gccaaacctg tcgatataaa gcccaactct gacaacatct ncagcagaga 420

tgacaagagc agtaatgtgg atacta 446

<210> 22759

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H9

<400> 22759

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atcaattcag aaaatggttg ctggattgga gggaaagatc gagttacttg agaacaaaca 120

ggacgtggct aatactggta tctggatatct ctgccaaagta gcaggcgggt taaaagatgg 180

aataaacacc aggtttttcc aggaaaccag tgagaagctg aagctctcac attcagctca 240

acctgaaaac aagccagtga aggggcttga attttttttc ggaaagcacc atggaacaga 300

aagtagctga ctccaaacca attgcggtga cagtcgacgc tgagaagcct gagaaaaccg 360

ctgctgtaat gggcaccaca gtgcacaggt ctatcaggtt ctcatatcgg aatgcaggcc 420

ttgctttgtg 430

<210> 22760

<211> 364

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-E1-A1

<400> 22760

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aacaccgtgg acctctccca caacaagctg acgggcgacc cctcccacct gttcgccgcc 180

ggccggccca tcggcaaggt ggacctgtcg tggaactacc tcgacttcga cctgagccag 240

ctggtgttcc cgccggagat gacgtacctg gacctgtccc acaacctcat ccggggcacc 300

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tgtg 364

<210> 22761

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A10

<400> 22761

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tgtccggacg tcccgtatcc acagcgacga acgcgtcgaa cccgtggtgg ctgacgttcg 120

agagggccat cgcctccgcg ggtggggagc tgtctaagcc tgagatcctg tcttcgacca 180

cggactcacg ctttgcgcgg cagctgggca tcctgcctt cgggttttct ccgatgacca 240

ggacgccccat actgctacat gaccataacg agtttctgga agacagagtg ttcctgaggg 300

gcatccaagt gtacgaacat gtcacagag cactaagctc gttccaaggc tgattcgtaa 360

aaaaaaaaa aaagaagaag gaaaagtggc agtgctgttg cgtggagtgt aac 413

<210> 22762

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G5

<400> 22762

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tgcaagggca agtgcaccga gcagaagggc atcaccgcgc cgcagatgaa ggtgtgccaa 180
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 acctgcgcca aggagaagca gcctctgctc agcgagaact gcaggaggtc ctgcaccctt 300
 cctccttcct gaacgcagag cacgcccgcg ggtcgtcgtc ttctgcctgc ttgcgtgaca 360
 ctgaatcact gatacatcat acatgcatgc atgggatgcg atgacgattt gatgcatgca 420
 tgcattgggta taccta 436

<210> 22763
 <211> 413
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-F12

<400> 22763
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 ctattcttga gaactttcgt caagaaacaa ctcatggaa taaaactgct aaagctacca 180
 atattgccga aagttctaag cttgaaagta ctggctctaa aataagcatt atagttgcaa 240
 cagatgcttg cttgcctcag gcagcgatgg cagaggcacc ccttatggct cgagtgtgta 300
 taaactatga gcttcccaca aagaaggaag cttacttaag acgcatgtca acatgtttgg 360
 cggcagacgg aattgtgatt aacatggctg ttgggtggtga ggtggttaca ctc 413

<210> 22764
 <211> 439
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-F2

<400> 22764
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 cctcttcgtc ttcgcttggc cgggtgggtg tgcggtgggg atgcggcggc tatggcgggtg 120
 gtaccagcag tgcctggccg cgcaccgggt gcgcacgcag gtcgtcagct ccggcatcct 180
 ctggggcctc ggcgacatcg gcgccagac cgtcacctac tactccgctc gccccgaccg 240

tcgcggccac gacagcagcc ctcccgaccc cgaggataaa gataataaag acaataaaga 300
 gtttaaagtt gattggaaga ggggtggcat cacaagctcc ttcggatttg cttttgttgg 360
 tccagttggg cattactggg atgaatacct ggatcgcac atccggcgga ggtttcagcc 420
 taacacgttc aaattcgtc 439

<210> 22765
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F3

<400> 22765

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 aaaagaaaaa cagaaagcat ttgacattgg ccagaaatac gtacgacatg ccgtggcctt 180
 tgaaggtatt tctcctgatg tgcctctcta taaagtcaat gaagggaatg aaccttgctt 240
 cttcaggaca tactttctct gggatagcgc acgatccgtg attcatggaa actcttttga 300
 gaagaaactt tcagttcttt tcggaatgcg ttcagagggg ggcaataagg gctcaggtga 360
 tgggtgggcca actcaaaggg catcagcctt ggccgctctt tcactctgcat tgaatccatc 420
 gtcgcaagga aaacagtca 439

<210> 22766
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F4

<400> 22766

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 ctctctcgcc tccgttccgt tccgttccgt cccgcccgc gccgcccgc cattcaggga 120
 tggagatgaa gaagatcgcc tgcgcccgtc tcgtcgccgc ctccggcgcc accgtggcgc 180
 tcgcccggga gggtccgggt cggggcccca ccagcggctc ctccgcccgc gcgcccgcgc 240
 tcggcgccgc cctcgggggc gccgtcgctt tcttcttcgc ctactacatt cagtgcgccc 300

gggcttaact gttccactct. gg

442

<210> 22769

<211> 437

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-F7

<400> 22769

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aacgtcaggg cgctgtgcct ggccgtcgcg accgtcttct gcgtgctctc acggcagagc 120
ctcgccgccc gcgaggggctc caaggaggcg gacaggatcg ccacgctgcc tgggcagcca 180
ccggacgcgg ccgtccagca gtactccggc tacgtcagcc tcgatgacaa ggccggcaag 240
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tggctcaatg gagggcctgg ctgctcttcg tttggaatcg gagcattcca ggagataggt 360
ccgttccgcg tggacacaga tggcaagaca ctctgcaatt ntaaatatgc ctggaacaca 420
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<210> 22770

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F8

<400> 22770

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atggggccat gtttctccat gaatgggggt tctggatcag caactatggg gcctaaagtt 120
gatgctgcta caagttcagc tatagctgcg cccttggtag cttcagatgt taaaccctct 180
cagccgggtca gtaattcagc taccaagatg attatgtcaa gcaaatccac tgctaaggaa 240
tttaaactca atccttggtc aagggttttc tctccatctt ttgcaagttc taggcaagta 300
cttgacgcta tggccccgtg tgacacatac tacatttcac actctgcccc tgaagtacca 360
atgggcgtac ctgtatatga gtcaaagtct gtgcctggcg tttcacctct aaccaacaag 420
gttcattgta gtaacctgt 439

<210> 22771
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G1

<400> 22771

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 gaggtcaccc tgggtgctggc aaatgacctc aagaaagtgt cgctcttctc ccggactcgc 180
 atctacgccg tggcttccat ctccggattc gacctccgca tcccttccca cagcacccaa 240
 gcagaccaca gcaacggctg caaccctgc tggaacgccg tggtaactt ccccatcccg 300
 gctgccgctg acaccgcgg cctcgactc cacgtgaggc tccgcgcca gcgtctatac 360
 ctgggcgatc gcgacatcgg cgaggtgttt gtgcccacg acg 403

<210> 22772
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G10

<400> 22772

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 ccgctgccat agtcggccac gacggcgccg tttgggcca gagcaccgca tccccacagt 180
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 cgaccggcct cttcctcggc cccaccaagt acatggcat ccaaggcgag cccggcgctg 300
 tcatccgcgg gaagaaagga tctggaggca taactgtgaa aaagacaggg caagcgatgg 360
 tggtcggcat ctacgacgag cccatgaccc ccgccagtgc aacatggtgg t 411

<210> 22773
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G11

<400> 22773

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tgcccatgc catgtggtgt ccagataaca agattggagt acataaatgc cctgtctagc 180
aacgtggagt atctggcgtc aagggatgca acaatcatgg gaagcaggaa cgcccatgct 240
cccatcttcc tctggtacac cctcaacagg aagggttaca gaggctttca gaaagaagtc 300
cagaagtgct tgagaaacgc acactaccta aaagatcgcc tcatggaagc acgaatcgga 360
gcgatgctta acgagctcag tagcacagtt gtgtctgaaa ggccatagga tgaagtat 420
gtccg 425

<210> 22774

<211> 438

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-G12

<400> 22774

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gtggcgctgg ccctggtggc cctgctggtg gtggcggcgg cggcgcccgt ggccaccgcg 180
tacggctgct acgacgactg ctacgagcgc tgcgccaacg gcaagaaaga cccgcctgc 240
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gcgccggtt gatcgcccag cgcattcatc gcttcagctc gatataatcg ctgctccgctc 360
agcaaccac atatgattcg atcaattntc ctgctctaatttctcgaccc cgtcgaattt 420
tttccctttc tattcttc 438

<210> 22775

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G2

<400> 22775

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atgtgacctt gtttcatata actccaagca caatgatgca aatggagaag gtgggtcgtga 120
tggtgtgcaat gacaactaca gctggaactg tggcattgaa ggagaaacaa atgatttgaa 180
tgtgctaagt cttcgttcaa ggcaaatgaa gaacttccat gtggcattaa tgatttccca 240
gggtactcca atgatgctga tgggagatga atatggcac acacgttatg gaaacaacaa 300
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ggatggccat ttcaggtttt tctcagagat gatcaagttt cggcataacc atcctatatt 420
gagacgagac aggttttctca acaa 444

<210> 22776

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G3

<400> 22776

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atcaacgtca cctagctgat cacctacggc cctggcagaa cacacagcgc gcttgctgtg 240
caactcgcat gagcctagga gtgcggcagc acttcgaatg tgaccaacct gatacgctga 300
gacgactgtt ctgtacgtcc actaaactct acatgccctt gctgggacga cctgaccatt 360
catgtgcatg cgcat 375

<210> 22777

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-G4

<400> 22777

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<210> 22778
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-F11
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 cgacga 426

<210> 22779
 <211> 438
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-D7
 <400> 22779

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gacgggatgc caagcacg 438

<210> 22780

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D8

<400> 22780

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ggctgtcata tcggttaatc 440

<210> 22781

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D9

<400> 22781

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cccctcccag aagtacttgt cccgcgacct cgccgcgcat acctcgctca agcccagaaa 180
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 gaaaagctca agccagctac tcctagaagg ttcaaagaga gaggcagagg ataagatagt 360
 tccacaagaa attgatgcag atgactccga tgtggagcct aaaagtgacg atgagagaga 420
 agacaacaca ac 432

<210> 22782
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E1

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<210> 22783
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E10

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gtctggggtg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360
agcccgtggt ggtgcacatc acggacatga actatgagcc tatcgc 406

<210> 22784
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E11

<400> 22784

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cgtgcaagtg ttttaagctca catgctaaaa gattataggt gatttcaa at ggtgttatcc 180
caggaggtgc ttgttaatat gttccttaag gaatacagt actcacaatg aatgctttat 240
tctgtgattt ccaatggata cttctcaaac ttcgcatata gcgttcatt gatgccaac 300
ctcccagttg accatgatga actgattgat cctagagggt ccaccaacgg aaatggcagc 360
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cct 423

<210> 22785
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E12

<400> 22785

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cacatggata aaattcgctt ctcttctctt tcttcgttgc agcattgcat cctacaaagg 120
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ccaaaggcta catggctctc taccgcaact atttctgcaa acatcgagct gatctcggag 240
cccggagctg caatctgaca acagtgcgtg tcgcaacagg agatcgggtc accggaatcg 300

atagaaagga cgattagact atggtgcccc gaattaccaa tcgagttaca cgccacagat 360
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<210> 22786
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-029-Q1-K1-E2
 <400> 22786

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 gaacgggccc ctctgaccg agaagatcca ggcgaagaag acgctgatcg tggggccgga 180
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 gcccttcatac ttcgtgaggg gcaacggcaa aggccggacc tccatctncc acgagtccgc 360
 ctcttccgac aacgccgagt ccgncgcggt caccgtgaac tcggacaacg tcacgtctt 420
 cggcgtcagc ttcaggaaca gcg 443

<210> 22787
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-029-Q1-K1-E3
 <400> 22787

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 agggatatta ggcggcaacc aaaaatccaa tctgatttc tacaactgga atagagtaaa 180
 gatcagatac tgtgatggtt catcatttac tggtgacgtt gaggctgtgg aactgtgaa 240
 agatctccgt tacagagggg tcagagtctg gcgtgccgtc atcgatgata tacttactgt 300
 gaggggaatg agcaaggcgc aaaatgctct tctttctgga tgctcagccg gaagtctagc 360

agcaatacta cactgtgaca gattccatga tctgtttcca gcgaaaacaa aggtcaagtg 420
 tttttctgat gcttgatatt ttt 443

<210> 22788
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E4

<400> 22788

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 ctggacgctc gacaccaagg ccccgctcaa gtacccctt tgcacccgct ttgctgtcaa 180
 gtccggtggc taccgcatcg ctgacgacgt catccccgct gatttcaagg ccggcaccac 240
 ctataagacc aactcagca tctaatacgc ctctgatgat gaattatatt tcaaaagagc 300
 tcacctggtg ctcatgttag caagacaata ttttttctat gggtattttg tggcaccaaa 360
 ccaccaaga aatatgtgat gctacatgtc ccttctgatg ccttggtgtg ttgggttgat 420
 attattacat aaactaaata aat 443

<210> 22789
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E5

<400> 22789

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 tcatcctggt tggcagcaaa ctaagctcca tagcttttgt cagtcaactg gtgttcatct 180
 cactgcttac tcaccactag gttcacctgg tacaacttgg atgaatggta atgtccttaa 240
 agaaccaata atcatctcaa tagctgagaa actcgggaaa acttctgcac aagtggctct 300
 gcgctggaac attcagatgg gtcacagtgt tcttccaaag agcacgaatg aagaaaggat 360
 aaagcaaaac cttgatgtat atgattggtc aattccagat gacttgcttg caaagttctc 420

tgag

424

<210> 22790
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-029-Q1-K1-E6

<400> 22790

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ggctacggag gtgtactcgc cgaccacggc ggcggcagcg cagcagcagc gggggaaggc 180
ggcatcgcag gcgtggcgag cgggtggtagg gtggatcggc ttcttcctcc aagtcctgct 240
tcagatcctc cggggcacgc cctcctgcgc acagctcctg tccttcgttg gtttccgcta 300
tccgctcctc tccggacctg cgggtctcgga gccgttgccg gaggtggcct tcatgccgct 360
ccactccgag atccctgctg acgcggcgcc tgcgccgaaa cctgcgtctg agccccctggg 420
ccgnctcacg gtagtgc 437

<210> 22791
<211> 151
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E7

<400> 22791

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ttagtccttg ctgagatgga tcagatcctg tgagttaagt aaagcatgca agatatgtcg 120
acagacacta catgagatga cacggttcta c 151

<210> 22792
<211> 81
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E8

<400> 22792
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 cgggcaattt ttcttgcata c 81

<210> 22793
 <211> 66
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-E9

<400> 22793
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 agtgcc 66

<210> 22794
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-F1

<400> 22794
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 gttggtgttg cgcaggcggg agtggagttg gtgctgctg atgataatat cgccgccgcc 180
 gctgctggca cggcgggtgga cgatggcgag ccgcctcagc agtgcgcgac cccgggtgagc 240
 gtggaggagg cgtgccgcgg cgcgtccgag acgcacgccg gcgtggccta cgaccactgc 300
 atggcgctcg tgggcgccga cccgcgcagc aaggaggccg gcaacaagaa catgcacggg 360
 ctggcgggtgc tggccaccag gatggccatc gaccacgccg gcagcaccga gtccaagatc 420
 gacg 424

<210> 22795
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D4

<400> 22795

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atcgcggtgt accacttcga tttagcaggc acggcggttcg gcgccatggc caagaagggc 180
gaggaggaga agctgcgcaa ggcggggcatc atcgacatgc agttccgaag ggtaagtgc 240
aagtactact ccaagggcac cttccacctt gaaaaggggt gcggcccaa ctacctggca 300
ctgctggtca agtacgtcga cggcgacagt gacattgtgg cagtggacgt caaggagaag 360
ggcttcgaca cgtacgagcc tctgaagcac tcctggggcg ccatctggag gaaagacagc 420
gacaaacc 428

<210> 22796

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-C12

<400> 22796

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ggcttcgctg cggtcgtaag ccgtcccagc cggtgaggcg aggagcgtgg aatatcgcca 120
tgctcgattc aagctgcaac aatggcctca cccacggtcg ccttcatccc caccgcccgcg 180
cccttgccgg cctccccgtc gctgcgcctc gcatcagcgt aatccatcgt cgatgcgtcc 240
gggtcctcct ccccggcctn caccactcc ggctcccca atccggttga gccccgtcga 300
catccccact gtcgcgcctt tgctggtctc cccgtcgtgg cgtctcgcgt cggcaccttc 360
cgtcgtcaac gcgttcgggt cctcctctcc gaccttncgc cactccggaa ccagctctt 419

<210> 22797

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C2

<400> 22797

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ctgcgctccgg ctgactgagc ctgaggaccc cgccttcgtg ctgacgagcg tcctagatcc 120
 actatgagac tatcagcaag cagaacctcc gctagctaac taggattcac actaagaagt 180
 gtccactcat gatatgcacc accgatgctg cctgccactg gatcgtcaac gacgcgcgat 240
 gaccaaacat gtgcatcaac tgctccactc ctgctgccgt gaacctgtat tgctgtgcca 300
 acatcccatg caccagagta accatggacg acgaccgcat catgtacagt gacgccaact 360
 acaggaccat gaacagttgc acaatcgtg aaggctgctc cacagtgatc ctaagagacc 420
 tcgtatgctg at 432

<210> 22798
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C3

<400> 22798

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 gtatgccaaa cctatgtata aaactgtacc ggttgctcct aatttcactt ctatgaattg 120
 tactaatttg catcgaagaa agtttggtcc caaacaactc gtgaactcgt tttcttatta 180
 ttgggctgat ggacaaggca acgtgaaatt tttcatggta cctgtgaaca gaacttagcc 240
 taaaaactgc agaaccattc ccatttcac ttttagtctt gtctagctaa tactggactt 300
 tgtgggctgt ctgatccctg tgtaattcat ttgaccatga cagttcttga tcatgtgata 360
 tcatagaatg tgtcaaaaac cgcatcacat caaaattaaa actggatata acactataca 420
 t 421

<210> 22799
 <211> 361
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C4

<400> 22799

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 agaactacca ctacgactcg gacacctgcg accccggcaa gatgtgcggc cactacaagg 120

ccgtcgtctg gaagaccacc accagcgtcg gctgcggacg catcaagtgc aacagcggcg 180
acaccatcat catgtgcagc tactggccgc cggggaacta ccacggcgtt aagccatact 240
aaaatatata tcgaccatt gcatatatat atgttgcaga gctttttatt ttggcaacat 300
atctagtga tatggactgc tggatatacat catgcacata ttaaataccta tcctttaatt 360
t 361

<210> 22800
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C5

<400> 22800

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gaaattgggc gacttgcttg ctgtagctcg tgtacctcca gctgttgatc aggtggaatg 120
tcacacctggt tggcagcaaa ctaagctcca tagcttttgt cagtcaactg gtgttcatct 180
cactgcttac tcaccactag gttcacctgg tacaacttgg atgaatggta atgtccttaa 240
agaaccaata atcatctcaa tagctgagaa actcgggaaa acttctgcac aagtggctct 300
gcgctggaac attcagatgg gtcacagtgt tcttccaaag agcacgaatg aagaaaggat 360
aaagcaaaac cttgatgtat atgattggtc aattccagat gacttgcttg caaagttctc 420
tg 422

<210> 22801
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C6

<400> 22801

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cgggtccgat gcaagcgttt ctggtggagg atccggtggc gccgatgctg gtattggagc 180
taccataggt gctggtgtct ccggaagcgt caaatttgggt ggcggcgccg gaagaagtgt 240

aggaagaagt ggcagtgctg ctgcaggtgc ttctggaggg agtaaatcat cagggggtgg 300
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 ccgtaagatc gatatgatcc gtcccaagga atttattcct gccctttttg ttatcgcgcg 420
 ttgttttatt a 431

<210> 22802
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C7

<400> 22802

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 aacatgaaac gaaggcatac aattacaaca cataatacta gctactgtct tccacaacgc 180
 aacaggtacc ctctatagc tccccagcat gtaacttggt ccaagagcac ccaccagtcc 240
 tccacaccaa gcatcaacaa ataaacatgc gtaatctttc gagtcgccgc aactatccct 300
 ctaccttctc tggtcagctt cggctactta gaaagccagt ggtggcagag gcaagctggt 360
 gttgagcccc gaccgcatcc tctcttctct gagcctctct gcaatgatg 409

<210> 22803
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C8

<400> 22803

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 acaccagtca atacagtaaa aagagagtat tctcttatgt agtcttattc cttcccaccc 240
 ccttggtgggt gctgctcaag cagctcaaga ggcgccaacc ccacaaccac aggtagaatg 300
 agttccaggt gctgctcca gatcaggac tagtggccca gtcctgttcg gatgtaaagg 360

aaagatgaaa aactttttctc aaacagtggg gaaagggccc catacgtcaa agccagatga 420
agaatctcca acatgattcg 440

<210> 22804
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C9

<400> 22804

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tcacgttga cctgatcacc gaggcattcg gatccatgtc cgcaggcatc gccctgccac 120
cctccaacgc cggagcggcc tcttacgggg cggcggcgcc gttcggaggc gccgcggacg 180
caccgcgcgg cacctccgag ggccctgcc a gcgccagcgg gccatcggct ggtgacggcc 240
cggcgtatgg cgccagcgcc agcgccagcg gcccgactgc tgatgctccg gcgacggcga 300
cggcggcgcc gtcgtccggg ccctctagcg caccgcgcgc atcgtcgtct gaggcctccg 360
gcgcaccagg gccgtcgtcg tctgatgggt cctccggcgc cccggcgcca tcgtcgtctg 420
atgggtcttc cagcgccccg gcgccatc 448

<210> 22805
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D1

<400> 22805

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gccgcacccc gatccactag agctatggag ttcgacgaat acgagtacct ggagaaggcg 120
gtggagccgg ctcccccgcc ggccaatggt tccgggtccg gcgagaagga ccgcgggtcg 180
cgtcgcccg agggcgacga gggccgcata tcgaagcgt cccgctcggg ggaggaccgc 240
gagcggggcc ggcaccgcag cgttcgggag caccgggatc gggataagga tgacgggaag 300
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gagaaggaga ggggggacag gcacc 385

<210> 22806
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D10

<400> 22806

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caagggcccc ttctctatcc gcctcaccag cgagtccggc aagaaggcca tcgctaaaga 180
catcatcccc gcgaactgga gaccgatgc cgtctacact tccaacgtgc aattctacta 240
gactttgaat tgccttcgat tcatccggcg cggcgggcta tggacctgca gcaacaagct 300
aattaaagtg gccatataat atataatata taatggaaac cctgggcttt gattattggg 360
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tggtta 425

<210> 22807
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D11

<400> 22807

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gtggatacta cggcggccag taccgcggcg gcggctaccc tgctccaccg ggcggcgggtg 180
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cgtatcctcc cagcgggtac cccatcaac cggctctacc acagcctggc tatccatcga 360
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gggcgatgc 429

<210> 22808
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D12

<400> 22808

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 gcatcgcaaa ctacaaatcc ttcacaaggt tccatgttaa gaaggatggt gatctagaaa 180
 tatttactct tgcagttgac aaggteccaa aggactggaa gttggatccg aggtgggaat 240
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 cagcctcatc aactgaccct gtgagatctg tacgggttgg tgatcatttc accatcgaaa 360
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<210> 22809
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D2

<400> 22809

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 ccgcccgcgc cgtggccctc ttcaccaagc tcctcatgat ggaacatgaa gctacagatc 300
 aagaaaggag agagcgcaag ataaagaata gccaccctga tcaaggaaca gtaaggatgc 360
 tatctcgtga agaatgggag gaggtccaag aagtcaggcc aaggaccctt tttgaatcaa 420
 agttagctcg tccacatgcc c 441

<210> 22810
 <211> 420

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-D3

 <400> 22810

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 acgccagggt ccttggacca ctatatccag gagcgacgaa gtgatccacc cgccagccat 120
 ggagatgaag aaggctcctct gcgccgccct cgtcgccgcc gcctcggcca ccgccgtgct 180
 ggctcgggtc gcctccgagg cgcctccga ggcgccgcc ggcgcggccg gtggtgcggc 240
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<210> 22811
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-029-Q1-K1-C11

 <400> 22811

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 ggtctgggga cagcaatccc tgccgtcttg ccatgctccc cacgaggagc acaccgtcag 300
 agtgattctg cagaagtatt cattctactg gcgtgctgag caggtgcatg agctctaata 360
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 t 421

<210> 22812
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-A6

<400> 22812

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cgcgagcgca acttggagaa gaacaagggg gccaaaggga gccagctcga gaccaacaag 180
aaggccatga gcatccagtg caaagtgtgc atgcaaacat tcatgtgtac cacgactgaa 240
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ccccatctga agaagtgaag ggcctgaact tagcaaccag tgctggtttg gccagnnggc 360
gttccttggtg ttgaggggtg tcatccgtg gtatcttccc gtcagtcagc cgtcctgtcc 420
tatgttaacc tacataaga 439

<210> 22813

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A7

<400> 22813

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ggggaagcct ccattgccac gtccggcaag tcggtcgagt ccctgtgcgc gccacgttg 180
tacaaggagt cgtgtgagaa gacgctctcc caggccacca atggcaccga gaacccaag 240
gaggtgttcc acagcgttgc caaggtggcg ctggagtcgg tgaaaacagc ggtcgagcag 300
tccaagacga tcggcgaggc taatgccagc gactccatga ccgagagcgc gcgggaggac 360
tgcaagaagc tcctcgagga cgccgttgac gacctcaggg gcatgctcg 409

<210> 22814

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A8

<400> 22814

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agcgatggaa caggctacac tgataggaga gaacggctag aggagggatc ggaagcgcca 120
ctgccatggg catgggcatg gagaccgcg atactgccc tgcattctat acggacgtaa 180
aacgaatcat tatcaaggta ggcacggatg ctgtcactgg aatgaatgga cgatcggcca 240
tgggcaggct agtctctcta tgtgaacagg tgagacaact gaatgtttac gggatatgagg 300
agattctgct gacgtaaaga tctgttggtg tatgcaggca gatgatctag tactgtagac 360
ttatc 365

<210> 22815
<211> 436
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-A9
<400> 22815

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aataataaac atcatggggc aagcctcacg gtcgtcctc ctccgctcg tggcgctgct 120
gtccgcccgc ctctcccgc aggcgctggg taagggtagg ggaggcaggg gacacgggtg 180
cgccgtcaac ccgcaggctc cggcatctg ctctcgacc ccgttcccgg aggtgtgcac 240
gtccaccgcc gggcggcacg cgtacaagta cccggtcatc gacaacctgg ccgtgctgaa 300
catgcagggtg gacgcgttcg ccaagcgcac cgcgcatcg cgcaagcacg tcgcgaggtc 360
ggcccgacc atcccgcgc agcagacgca agcgctcacg ttctgcgaca ccatgtacat 420
gaacacgcat gacacc 436

<210> 22816
<211> 406
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B1
<400> 22816

aagatggcaa atgctctcct aggtggtctg tggcgatcg tcgtcgctcg ggtggctcgtc 60
ggcgtggctc ccaccgtcac cactccggc aagaaggccg gcgacgactt caccgtcccc 120

ggggaagcct ccattgccac gtccggcaag tcggtcgagt ccctgtgcgc gcccacgttg 180
 tacaaggagt cgtgtgagaa gacgctctcc caggccacca atggcaccga gaacccaag 240
 gaggtgttcc acagcgttgc caaggtggcg ctggagtcgg tgaaaacagc ggtcgagcag 300
 tccaagacga tcggcgaggc taatgccagc gactccatga ccgagagcgc gcgggaggac 360
 tgcaagaagc tcctcgagga cgccgttgac gacctcaggg gcatgc 406

<210> 22817
 <211> 218
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B10

<400> 22817

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 actaacaatc agttacatag ctagtgttga tgcttgtgta acaaagatga atctgttgga 120
 gctgctaggg tgccaaaggt ggggtcccct attcggcaga gctctggcag acggtaaatt 180
 ctatgaatcg attcgtttag gctttgttcg gttatttc 218

<210> 22818
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B11

<400> 22818

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 tctgtcctcg ctagecgtcg ttccatggcg ccgttcgcgg gcgcacgcgc atcgacgtcg 120
 tgagggcagg tccatggcgt ccgcggacgc accggaggcc gacgtcgacg ctcccgtcc 180
 tgctcctggc cccgactcct cctcgacccc gtcgccggca cccttcagca gcagctcttc 240
 cgactagccg gccggcatag atatctacgg tgtccgatca ggctttggcg ccacctataa 300
 cctatcggat cctgcaaagc tatatatgat tctatggcat aatgcgtggc tgccgcaaac 360
 gcccgaaaat aatgtgcttg cgtgatcgat tgtctctgtc tctgtctgct taataatg 418

<210> 22819

<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B3

<400> 22819

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ttcctccaat tccccctctc ctcccaacaa ggcaacaaca atctgttccg gccgccaac 120
aaaacaaaaa aaaaaaacac actgaacca ataatccgat cccacagaaa cttttctctc 180
ggtccgttcg atcgatcgct gccgtgtcgt ttgccagaca ccatcagcac ccaaaaccat 240
ggcctgcaac ctgggtcagt ggcgccaccg cgccgcggcg accgtcgcgc cccgcacccc 300
tcgccctgct gcgtccgcgt ccgtctctct ctccgcgagg aagccggcgg gcggcagcct 360
gcggctgcag cggcaggcgt gctgcg 386

<210> 22820
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B4

<400> 22820

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cctacgaggc agacataccg actaatatga ctctattgga cggcatctta tcgaactaac 120
gaactaacgc ggactactac gcaatccgaa cagagcttac gacagctacc taggatacag 180
atcgagatga atacgatcct cttcgacttc actgtatgaa tgggcgactg ggtcagcaca 240
ctattgggat gaccaaaggc cggaatcaac ggcgccctca ctacttccga gtattactac 300
tacgctaccg atagcactgg cgctaaagca tcctttggca ccaccgtact aacggacttc 360
accatgaact gtgcactatg aat 383

<210> 22821
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B5

<400> 22821

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cgctgctgcc ccgcgccgtg gcggtggcgt tggcggtatg tacgaccgct agaaggaagg 120

aggaggcggc attagtgggtg gggattaggc ggcggcactg ctggtgccgg gaggaggagg 180

aggcgtagcc catgaaggcg acggcgccgc cggcgaagcg gcggaggggc ccgcggctgg 240

cggtgctggc gctcgtgttc tgttcgctgc tcgtgccgat cgccttcctc ttcaaccgct 300

tccccgccgt atatgtgaca gatgagcgcc ctcagcagga gattgacttg ccttcgttcg 360

atcgtgtggt atttgaaaat ggtggctctg taattgaaga tgtg 404

<210> 22822

<211> 347

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-B6

<400> 22822

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tatggatatc aatagtcaat ccaaccagaa gcaagaatca tgtggaccga atggatccaa 120

agatcgtata ctaagatcaa cttctcgttc atcatcttcc agagaaaaaa ctatggagaa 180

atcatgcagt tcagcacaca agggcaaaag aaccttatgg ggccgtactt cagcaagaaa 240

agacctgtca acagaggaga ttgaatgctg cagcgatgat gaggcccttg ttgagaaact 300

tgagagtaac aagattgatc tncaatcaaa aattgcaaag gaggcca 347

<210> 22823

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B7

<400> 22823

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catcgacacg gggaaccctt tcctgaaccg caccgtctac ggcttcctca agatcggcgt 120

tgtcggcgcc tgcaagggtg cgcccgagga gaccttcgac tgctccaca ggggggatgt 180

ttcaaagcgc aagggtgagc atgccctgaa gaagatgtgc aaggagggcg catattgggg 240
gactgttgct ggcgtctacg tgggcgtggt gtatggcgtg gagaggggtcc gtgggcgcag 300
tgactggaag aacgcgatgg tctgaggcgc cttgtccggc gcgctggtct acgacgacag 360
cagcaaccac ggagacaaga tcgtcaagga cgcca 395

<210> 22824
<211> 144
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-B9
<400> 22824

agcttttcgtt atcctcctcg atcttaatta caggatcatag ctaagcaggt ctgacaggat 60
gtcgtggcag acatacgtcg atgagcacct gatgtgcgag atcgagggcc accacctgac 120
cttcgctgcc atagtcggcc acga 144

<210> 22825
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-029-Q1-K1-C1
<400> 22825

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atatcgtatt cttttataag atgaaaggtg actactaccg ttacttggct gaatttagca 120
ctggaactga aaagaaagct gcctctgac agtcacttat ggcctatcag catgccatgg 180
ttgtcgcttc cagtgcgtc tcacctgctc accaaatccg gcttggcctt gccctcaatt 240
tgtcgggtctt cttttatgag ataatgaact ctcagagag agcttgccaa gtggcaaaac 300
aagcatttga tgaggctctt actgagataa attctggtga gggagtgtac aaggatagca 360
cacttatgat gcagcttctg aaggacaact tagcattgtg gacatcagaa ctaact 416

<210> 22826
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-C10

<400> 22826

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agctgtattg ttccattacg acgggaatgt caatgggtgg aatgatctac catggagcaa 120
aagtgtgata catatagctg cttctaacca gactaaatgg tggtttgcaa agaggttcct 180
ccatcctgct gttgtgtcta tgtaccagta catctttctt tgggatgaag acctggaagt 240
agataacttt aatccgagaa ggtacttaaa tatagttaga tcagaaggac tggagatatc 300
acaaccaggt cttgattcta agctttctga aattcatcac cgaataactg gtcgtaaaaa 360
tacagggacc ttccatagaa gagttagtcg ggcttacaaa cgttgtttaa gagaaggacc 420
gcct 424

<210> 22827

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A5

<400> 22827

cacgcgtccg gctattttctt ctgcctctc ccaccggccc ggtcgcccgg agtagcaagc 60
gtctccgatc cgatccatcg tgcgagcata tccacggcga tggaggcgag agcggccatg 120
agctgggtact gcggctccct tctggccgtg gccatcgcg cgttccctgtc cgtgtccctc 180
ggcgtgcgcg ccgcgggcgc cggcgccggc gtcgacatca aggtgtcgtg tgcagcgacg 240
ccggacccgg acgtgtgcct acgcgcgctc caggcggaca gcgactccaa gaccccgcg 300
gacctggcgg aggcggcgct ccgcgcggcg acgaccgcg gcggcgcggc gggcgactac 360
gcgcggcacg agatggacgt ggtgaaggac aacgacatgt g 401

<210> 22828

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H11

<400> 22828

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 agaaaaaac gcgtctctga attccacacg gccggcgaag acacttgaac agtcttgctg 120
 gcaatgggaa acaagggacc agtgccaaca caggaatcga cgaatgatga cgccgaggca 180
 ccgtcgtcta cgtctgctgc gagcaatact aagagcaaga cagacgtgga gcgagagcag 240
 ctgttcgaag gatcaagcga cgacgacgcc cacacgccac ggaagagaag caccagaggag 300
 atcctcacca aatacaagtt caaaggggac gccgcggctg ccgcgggtca cgcgaaagcag 360
 aagctcatgg agcggcagga gaaactcgcg agaatcacgg agcagtcctgc ggagctggag 420
 agcgaggccg agaact 436

<210> 22829
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H12
 <400> 22829

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 tagggccacc tggtaggtc agcccaacgg tgccggcgct cctgacaacg gcggtgctg 120
 cgggatcaag aacgtgaacc tgccacccta cagcggcatg acggcgtgcg gcaacgtccc 180
 catcttcaag gacggcaagg gctgcggctc atgctacgag gtgagatgca aggaaaaacc 240
 tgagtgtcgc ggcaatccag tcacggtgta catcactgac atgaactacg agcctatcgc 300
 tccctaccac ttcgacttga gcggcaaggc ctttcggctt cctggcaaag cccgggctca 360
 acgacaagat tcgccactgc ggcatcatgg acgtcgagtt cagaagggtg cgatgc 416

<210> 22830
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H2
 <400> 22830

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 tcgtcgcggg ctcttcgccg gcgacgagca caccaccaa acagattctc gtgacagtgc 120

ctccctgggt gcctttcgct gaagttactg aatctgaaat ctgaccatca tgaaccaggt 180
tgaggggttg tcctttacga gcatgttata atgggagaga acggagttca gctgacactg 240
acctccactt tgaagagcac aggcaagcca cggatcaatg cggacgggct gaataatgga 300
tcacatacta ccaaagagaa gcatgaacac ggtggcactt 340

<210> 22831
<211> 377
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-H3

<400> 22831

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gcgcaaaacc ctagccgccg acccctccaa tcccctacca gcgcccgatt gccggcccca 120
atcgagctag ggctcgccaa tttctggccg agctcgttga aatttcggcc ggtcttttct 180
ggtgaatcct ttggtttatc ctgaggggat attttgattt ctgcggcgca cgatggggag 240
cagaagggag gaggagagga acgagaagat catccgcggg ctcatgaagt tgccgnccaa 300
ccgcaagtgc atcaattgca acagtgtggg gccacagtat gtgggtacca atttctggac 360
cttcatttgc ctgtcat 377

<210> 22832
<211> 88
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H4

<400> 22832

cccacgcgtc cgcggacgcg tggggttgtg cgtagcttct ctctatatat ataccggtat 60
gtaaatggtc gacaaaattt gtttgacc 88

<210> 22833
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H5

<400> 22833

gccgcccgtt cgccgctgcc cgtttcttcg aaccactccg aagctgcccc gccatggaca 60
gctccgccac tgacggcgcg aggctaccgc cgccaagggc cgggagtcgc ctctgcgtca 120
gggtgcggcga gaggaaggcc gcgctgaagc ggcccaaaac cctagaacag atctgtaggg 180
aatgcttcta tatcatcttt gaggacgaaa ttcacaaac tattgtccag aattctctgt 240
ttaaagctgg tgagcgtgtg gcaatcggag cttctggtgg aaaagattca accgtgcttg 300
catatgtgtt atcggagtta aaccgtcagc ataactatgg gcttgatttg tgccttttat 360
ctgtcgatga aggaatcaca ggatatagag atgactca 398

<210> 22834

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H6

<400> 22834

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gcaagtgttg gatttaaagc tgggtgtaag gattataaat tgacttacta cccccggag 120
tacgaaacca aggatactga tatcttgcca gcattccgag caactcctca gctcgggggtt 180
ccgcctgaag aagcatgagc tgcagtagct gcggaatctt ctactggtac atggacaact 240
gtttggactg atggacttac cagtcttgat cgttacaaag gacgatgcta tcacatcgag 300
cccg 304

<210> 22835

<211> 477

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H7

<400> 22835

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cagctgaggc cgccgtctcc acacccaagg ttgcgcccga ggccactcca atctccgttg 180
 aggttgcggc tgatgaacag gtagctgaga aggtggtggt gggaggagcc ggctgcggcg 240
 gccgacgttg agcatcagaa ggctaataag gtgctcgctc cagaggcggc cgtcgccgag 300
 cccgaccaca aggaggagga agccgtggag aagaccgtcg tcgaggagga gaagccagcg 360
 gcagcagccc atgcagagga aaaggtcggc accggcgctc agaccacgac gacggtggag 420
 gcgaagaaga acgccgagga tgccgtgaag gagaagctgg cgcagcaaag ctgatcg 477

<210> 22836
 <211> 435
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-H8

<400> 22836
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 gtacatcatc attatttgcc acatcagtga caaataatcc aagtccattc ggcactggct 120
 cattattcgc taacactcaa tcagcccat tatttcctc agcatttgct caaccgacat 180
 caagtacacc ggctttctcc tctggcagcc tatttggtc aactaatccg ggcagtctgt 240
 ttagcagcag cggtccttca cttttttcaa caccaacatt tcaaccatcg gcccttgctc 300
 aaacttcgaa cttattctcc ttccaacctg caattcaacc agcttctaca ggtgggattc 360
 ccctgttttt ccaatactac aaaccaagcc ttgatgggac agncggatga tcttttgcta 420
 cttttcaaatt gcaca 435

<210> 22837
 <211> 406
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-H9

<400> 22837
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 ctctagccc cgactccgcc tcacccag actcatcgct agaggcgccc tccagcagca 120

gctcctccga ctagacgcaa aaacctcttc attctctgga ataactaaca gtatatacgt 180
 tgcaccctga tgatatagaa acatgtacgt gcatcagtgt atggaatgcg agtggcaaac 240
 acatggaatg tgcttgcccta attattgttt atttctttat ttattatatg tctctctcgg 300
 ttgtttttta tttttcttaa tgcattgtaata ataatttgtt atacccaata tagacaatgt 360
 gtgctatgcg ctntaattct atgggtgacga tggcaccgtt ttctca 406

<210> 22838
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A1

<400> 22838

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 ggtctttcca gatgagaata ttcaccgggg gcacacaaat tgctcgtcgg agtggacgct 180
 tcgccttgga tcagcggtaa gctgtgggca gacgacatca cggcccggat agcttcgcga 240
 ggttacgagt cacttgaaga gcaagttggt acctggaatc tcaagtccca ggtcaagaac 300
 aggtaccgta agatgaggcg cataaaggat attgtgatga gttcgtgaga ggtctaggcc 360
 gtcattctccc agtcaacttt aggttgctgg atcgggtgtct tcatatgatg gaattattta 420
 attaatttg 429

<210> 22839
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A10

<400> 22839

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 agaggccttc accaattgat ttctgcgcgc ctcgggcccg gggaggcgat ggcacggtgc 120
 tgggcgacct gccggagaac tgcgtcgtgg aggtgctgct caggctggac ccgctggaga 180
 tctgctggat ggcgcggctc agccgcacgt tccacgacgc cgcgtccggg gacggtgtct 240

gggagtccaa gctgctgacg aactacgtgc gccttctcgc cgtcgtctgcg gccggcgatg 300
 ggggaagcggg gcaggccgcc ggggtctgcgc cggaggcgga gccgctgccc aagaaggaac 360
 tgtacgcgcg gctttgccgt aggaaccgtt tcgacggcgg caaaagagtt ctggctggac 420
 aagggtg 427

<210> 22840
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A11

<400> 22840

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 atgaccatag cagcaatgac atggctgtgg tgatggggct ccggcgagca attcccatta 120
 cccagccaca tctcccgttg aattgagagt tgttgaacta caacatgcgc tcaaaaacct 180
 attagcccct tcccctgagc ccgaacaacg ccgagggcgt gatacattgg cggcgacaac 240
 ctctctttct ctcaactacct ctgacctatc tgcattgcac aagcgggatg ctcatggggt 300
 tcatcagggtg accatggttt gagggcaatg gatggagggg cctcgagttt tatactccca 360
 gaccaggtgg ataaggattt aaccggtgat cgatctccga tgattgaagg aggggttaggt 420
 gcgattcgga t 431

<210> 22841
 <211> 359
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-029-Q1-K1-A3

<400> 22841

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 ggcttccgac ccgtagacct gattgatccc cgcattcgaat ccggcggatc gggagcggga 120
 gagaccactc ccaaatcgcg tcgctgcgcg tcgagagcga gagcggaaga ggtgcgcgcg 180
 ggggaaccga gccgactgat ggagccgacg gcggcgcccc ccgcctgcga gatcgcgcg 240
 ctgccggatg acctcctgtc ggcggcgctc ggccggacgg ggccgctgga cgcctgccgc 300

gccgncgcgg tctcgccggc ctttcgcgcc gcggccgacg ccgacgccgt ctggtccag 359

<210> 22842

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A4

<400> 22842

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cgacccgaac ctccccgact acgtcatcca gggccgcgtg tactgcgaca cctgccgcgc 180

cggttcgtg accaacgtca ccgagtacat cgcgggcgcc aaggtgaggc tggagtgcaa 240

gcacttcggc accggcaagc tcgagcgcgc catcgacggg gtcaccgacg cgaccggcac 300

ctacacgata gagctcaagg acagccacga ggaggacatc tgccagggtg tgctgggtggc 360

cagcccgcgc aaggactgcg acgaggtcca ggcgctcagg gaccgcgccg gcgtcctgct 420

caccaggaac gttg 434

<210> 22843

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-H10

<400> 22843

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cgtgcggggg ctcgggacgg gaacgggaca ggaccccaaa atctcagatc cttcctgccc 120

gcccgcgcgt gcccgtegac gcgtcgttct tgccggccgc gcccacctc cgcctctctc 180

tcctccaggg ggatcggata cgccacaggc tgcgcgatgg tgctgtgggt cttcggctac 240

ggctccctca tctggaacct cggcttcgac ttcgacgaca aaatcctcgg cttcatcaag 300

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gcgaggacct gcacg 375

<210> 22844
 <211> 474
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-F6

<400> 22844

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 accaaagcgt atgttgacca attctcaaga tgcctctatg ttgagtacaa gagcaagggt 120
 attgatgtgc aatgccagggt gcccttatac gtggcgacaa agatggcatc catcaggaag 180
 tcttccttca tgggtcccatc tgctgacacc tatgctcgtg ctgccgttcg tcacattgga 240
 tacgagccta ggtgcacacc atactggcca cactctgtcg tgtggttctt gatctccatt 300
 cttcccgagt cccttatcga cagcgtgcgc ctgggcatgt gcattaagat ccgcaagaag 360
 gggctggcca aggacgcaa gaagaaggcg ctgtgattga tgtttcagaa tgcattgttca 420
 gattcgacac tttctcctc acctgtagta gacacgtgcc ttgcttgagt cact 474

<210> 22845
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F7

<400> 22845

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 gcttatcgtc atcatcgggg aagccggtga tgggtgggtgg cattgacgac agcgaccaca 180
 gctactacgc gctgaactgg acgtgcagc acttcttcgt cgccgggcaa ccgcagcagt 240
 accagctggt ggtgctcacc gtcaagccct cggcatcgtc cgtcatcggc atcgccggcg 300

<210> 22846
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F8

<400> 22846
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 gccggcgacg acggaggcgg tgacgacggc aggaggcggc gggtcggtgt cgagccctac 180
 gtcggggcggg tcggggcggtg gcccagagccg cgcgcagctg cagcccgggg tcgggggtgga 240
 gggcggggcgc gtggggcaagc ccgcgcggcg gcggtcgcgc gcgtcccgcc gcgcgcccgt 300
 cacgctgctc aacaccgaca ccttcaactt ccgcgccatg gtgcagcagt tcaccggcgt 360
 cccgcccggg ccctacggcc ccggccccgg cggcggcggg gggcccgta tcagcttcgg 420
 cgccgagtag ggcggcgcg cagctggtgcg cccg 454

<210> 22847
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-F9

<400> 22847
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 actatctaaa acagtcgcag aggatactgt gctacgcaca acctgtggaa ctagcaatta 180
 tggtgctgcc taggttataa acaataacgg ctctcatgta cctaacgctg atctggtgga 240
 atgtggactc attctctatg ccctgctggc ggggtacctc gcatttgaac attcgaacct 300
 gatgctgctc tacaagaaga tcttcaaagc ggatctcagg tgcacgagct gactctccac 360
 aagcgcagag aatatcatca cgaacatact tgaacctaat gctaacaata gaataactat 420
 t 421

<210> 22848
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-G1

<400> 22848

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 gtagccacgc ctgcggccgt ggacgcggcc acgctggcgg agatctgcag gggaaccgcg 120
 ttccccgaca tctgcaccag cacggtgggg agcgaggcgc agagcgccgg ggtgttgac 180
 gccatggcgg tggtgcggat gcaggtggac gcgttcaaca agcgcaccga ggcggcgagg 240
 gcgcacgtca aggaggccgc cgtgacggcg tccccaaag cgcggacggt gctggacctg 300
 tgcaacaacc tgtacctgga cgtggaggac aacctgggag cctgccgtcg ggccatcggc 360
 ttcaaggacg ccgtcaccat ccgcgccacc atgggcatg 399

<210> 22849

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G10

<400> 22849

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 cttcgcgatt tcggcaggag gatcgcttt gagagcttgc gctgggtggt ggtggtggag 120
 cggcggcgaa gatgactgcg ccgcgcggtg gcggagatga gccgccggcg ttttcggctg 180
 cggcggtgca cgctcgggg aacgagccaa tgacgccgac ttccgcgctc ggtcgggac 240
 ttaaccgacc cggttcgagg ggtgcgggca tggccacctt t 281

<210> 22850

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G11

<400> 22850

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 ctctccgtgc tccctgacga ggtgctctgc gccgtcgtcg acatcctctc gcccgtgac 180
 atcggacgcc tcgcgtgcgt cagcagtgtc atgtacatac tttgtaatga agaacctctc 240
 tggatgagca aatgtctttc aatcgggggt cctcttgaat acaaagtttc ctggaagaag 300

acggcactat gtaggcttgg tctatgttca gaaaataagg agatttggca gaagcctcgt 360
 cagttcgatg gctttaattc tttgtatcta taccggagat ggtatagatg ttttactact 420
 ttgaatagtt tttcg 435

<210> 22851
 <211> 383
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-G12
 <400> 22851

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 tggaccagca gcagcagcac agcttcgagg cgtcgcgcac gccagccgg tggggcgact 120
 cgttcggcaa cgacagcacg tcgcactccc agaccagcac ctctcatg tgctcgagc 180
 ctccggacga gatggaggcg gagatgaagc ggctcggt ggagctgaag cagaccatgg 240
 acatgtacag cacggcgtgc aaggaggcgc tgagcgcgaa gcagaaggcg ctggagctgc 300
 agcgctggaa gatggacgag gagcagcggc cgcaagagac gcggctgacg gaggagtcgg 360
 ccatggcgct catcgagcag gag 383

<210> 22852
 <211> 216
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-G2
 <400> 22852

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 ggcttagtca tttgagcagt gttgaatgga atctgaccac agaaatatat ctgactagat 120
 ataataacag ttgtagacat ggtacaaaac acacgaacca ctgttccga ctgtttaaat 180
 atcccaaata atacgaacca ctggacactc gcgttt 216

<210> 22853
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G3

<400> 22853

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cagggggggac aggaaatcag cggccatggc ctcgattccg gcgacgacct tcgccgtcat 120
cttatccgtc ctcttctgtg ccgcggctgg caccgtcgtc gacaacgacc tccccgacta 180
cgtcatccag ggccgcgtct actgcgacac ctgccgcgcc gggttcgtga ccaatgtcac 240
cgagtacatc gcgggcgcca aggtgaagct ggagtgaag cacttcggca ccggcaagct 300
cgagcgctcc atcgacgggg tgaccgacgc gaacggcacg tacacgatcc agctcaagga 360
cagccacgag gaggaca 377

<210> 22854

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-G5

<400> 22854

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ttgaccattg ttgatatctc agcaaattcg tttcctcaaa cattagattg gcttcacagc 120
tatcttcttc agtgcacga gcgaggtctt ttggctgcgt gtttagaaag ctgcaatcaa 180
ggtcaatgac actcttggat gtaacctgtc caaccacacc tcagtgggca ttatatgctg 240
gcaatggaca ctaagaatat cattgtaaag gattacgcat gagtctggat atcatctnca 300
accaagaccg atgtgaaaat accatcgtga tgttgtcaat accagccata agcgtgggtc 360
tgtctgattg gggttactcg cattaatatt gtactggatg gtattagagg ntatgccgca 420
tactcataat ctgaatanga taacaaa 447

<210> 22855

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G6

<400> 22855

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acgacgtgat cgagagcggc gctggcggcg gcgagttcgc tgccaaggac tacacggacc 120
ctccccggc gccgctgacg gacgcggctg agctggggtc ctggtcgctg taccgcgccg 180
tgatcgccga gttcatcgcc acgctgctgt tcctgtacat cacggtggcc accgtgatcg 240
ggtacaagca ccagacggac gcgtcggcgt cgggtgccga cgcggcgtgc ggcggcgtgg 300
gggtgctggg catcgcttgg gccttcggcg gcatgatctt cggcctcgtc tactgcaccg 360
tcggcatctc ggggggccac atcaacctcg ccggcacctt cggcctctcg ctggcgcgca 420
gggtctccct ggtgcgcgcg ctgctctaca 450

<210> 22856
<211> 467
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-G8
<400> 22856

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tgcccatcga ccgggaccgg aacagccaac tggccgtgaa gtgggtggtg gaccacctcc 120
tctccggcgc ctctcaaate gtcctcctcc acgtggccgt ccattaccac acgacccatg 180
ggttcgccat ggttgagacc acgcaggggtg cgctggaggc tgaaatgaag gagatctttg 240
tcccctacag aggattcttc aaccggaatg gggtaaattg ggaagtatcc gaggtagtat 300
tggaagaagc agacgtgtcc aaagccattc taggttacat cactgcanac aagatccaga 360
gcattgcgct cggcggagcc aacagaaatg cgttcaccaa gaaattcaag aacgcggacg 420
tgccgtcgac cctgattgag tgcgcttcag actactgcaa catctac 467

<210> 22857
<211> 434
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-G9
<400> 22857

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 tggcttcgaa atttgaatgc ctcatcttta ttcttctcat cttctctgtc tttctcatcc 120
 cttccacat gtgtgactac tgactacatc acctaatact taggttgagg ttactccttt 180
 tagccctgcc tctcacaatg attgtgacta gagtgtcaaa tcttgagggc aagcacctta 240
 agaaccagc atattttgct ctcttgtgtg ttctctagaa acatttggtg gcaggtgtgg 300
 tgtaaagtgg ggctgcatta cctggcacct gggcctgaga acatgatttt ccaagattgg 360
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 atcctcgtgg cttg 434

<210> 22858
 <211> 402
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-H1
 <400> 22858

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 gaggatgctg gttttcataa tgtcatcgcg gaagatcgca ctgagcagtt cttgaatgtt 120
 ctacagaggg agctaggtga agttgaaaag aacaaagacg ctttcttggc agacttcacc 180
 caggaggact atgacgacat tgtgaatggc tggaacgcga agctgaaacg gagctctgcc 240
 ggcgagcaga ggtgggggtt gttcattgcc accaagtgat ttggcctggc agcatgaggg 300
 ctcttcggaa taagaatgga tgtggctctt actctgctgc tagaccagtg atgggtcagc 360
 ttagaagcag gggatcttca tcacagaat aaaacgtgtg tt 402

<210> 22859
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-028-Q1-K1-F5
 <400> 22859

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 cggactcttg ggcagacgcg tgggcatcag ccaagtgtaa agagtgcgaa gaagcagtag 120

caaaaggatt ccattctcga gttcttggag tggtagatcg atcgagctgc gtgaaagata 180
gagagagaga gcttgctatg gttacagcag gtaaggtgat caagtgcaga gccagtgtgg 240
cataggacgc cggcaaaccg ctgtccatcg aggaggtcga ggt 283

<210> 22860
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D8

<400> 22860

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tacgtcgagg tgcaggtcgt aggtaggatg gacgcggacc agcagggcgt ggttgcggcg 180
gcggtgaagc cggcgctggc caaggggacg ccgtcggcgt cgttccggct acgcaacggg 240
agcctgaacg cgggtgcgct gcgacgagtg ttcgacctgt tcgaccgcaa cggggacggc 300
gagatcaccg tggactagct gtcgcaggcg ctggatgcgc tgggcctgga cgccgacc 358

<210> 22861
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E1

<400> 22861

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atcaccacca gctgcggcgg tcggcggcgt tcccaccccg ccgtccggtg cgggggctgc 300
cgccttctca gcgctgcgaa agctaccttc acatcaggga gca 343

<210> 22862
<211> 433
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E11

<400> 22862

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gcgctgccgc caccgatgcc gtgtccatgg acggcggcct ccgcgaggtg tctgtccccg 240

tcgtcttctc ggtttggtgc ctctcttcc tctgcgatc ccagttcctc cacagccagg 300

ccgacgacga cccttcgtca gagttctacg aggagcacgg catgcgcgac agctactgca 360

aggtgaggcc gttggaggcc tacgtgctcc cctaccataa cgactcgtgt cagtcctcct 420

actcgcactc aca 433

<210> 22863

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E2

<400> 22863

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ggtggccggg ttctacaact cgacgccgaa gctcaagtgc gtgtgccggc ggaacctggt 120

gctgagcatt aacatcgaca agagcagcga gcaggacctg cagctggcgg tggacagcgc 180

ggccaaggtc ctggcggcgg agaagctgga ggtggtggac tacagcagcc acgcggaggt 240

gtcgcgcgac ccgggccact acgtggtggt ctgggagctg aacgccgacg ccggcgacga 300

cgtgctgcag agctgctgcg acgagctgga ccgcgccttc gcggacccgg gctacgtcgg 360

gtcgcggagg gcgcgc 376

<210> 22864

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E3

<400> 22864

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ggtggtcttg gagggggtgc cgggtggaggc ggcgacctg gaggtgggaa aggtggtggc 180
cttgggtggag ggggtggcct cggctgcgcg cgcgctcctc tcttcggcgc tctcgtaccg 240
cctcgtcgcg tccaagccct actctttctt cccacg 277

<210> 22865

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E4

<400> 22865

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ccgccgcctt cgcgctgga ctgcgtcgtg tctacctttc catgccggac tccgactaca 180
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actatactag tgactacacc ctacaggtgt tggtaggta ttgcgctgtg tacatcttca 300
tgcagacctt catgatccca ggggcaatat tcatgtcact gcttgctggg gctctatttg 360
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<210> 22866

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E5

<400> 22866

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aggttagttt ctgcaatgaa aggaactcgt gcgaagaagg gaatcaaaac aaagctgagc 180
gtttcatggg ccactgatgt atatgacca cctattactt cagactcgca cattgtgaaa 240

<211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-E8

 <400> 22869

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 ggtggcggct gctttggtgc gctgcgcagt gcgctccgtc cgtccgtcga ccggaaggcc 120
 gtcccctggc ccctgctcgt cgtcttcctc gggcgctcgt cttcctccga acgcgcgcgg 180
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 cggcggggtg aggaagaagg cgagcgaccg gtggatcccc gtccagccgt cccctgctcc 300
 tcttcctcgg gtccggcgct cgtcatccac tcttcctcca gccctccatc tgatccccgt 360
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 agtgctgctc ggacgcgtcg gcacct 446

<210> 22870
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-E9

 <400> 22870

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 tggttctgca agtgagcagc aagctagaga gcaacttcat ggttctgtaa gtaaacagca 180
 aactgaagtt cttcgtccca atgtcagcag tggcgatgcc tcaaaatgct attttggccc 240
 tatagttact cagaagctga aggaacattt tgaaaaagat ccatatcctt gccgtgcaac 300
 aaaagagggt ctggcacaag agctaggact gacatttaat cagatcagta agtggttctc 360
 tgccacccat cattattcaa gagatgctgt tgccaagaac caaaaatacc caggagaaaa 420
 tactactgag aataatagt 439

<210> 22871
 <211> 436
 <212> DNA

<223> Clone ID: LIB3066-028-Q1-K1-F12

<400> 22873

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agcacaagaa gaggggcccc tgccggggcga cgaaccctat cgacaagtgc tggcgctgcc 120
gcagagactg ggcgacggac cggcagcgcc tggcccggtg cgccagaggc ttcggggcacg 180
cgaccaccgg cggcctcggc ggcaagatct acgtggtgac cgaccccacc gacctcgacg 240
tggtgaacct gcgccccggc acgtgctgct ggggcgtcat ccagcccggc ccgctgtgga 300
tcattcttgc gcggtccatg atcatccagc tctcgcaaga gctgctcatg agcagcgaca 360
agaccatcga cgggcgcggc gcgcaagtgc acatcgccaa cggcgccggg atcacggtgc 420
agctggcgca aaacg 435

<210> 22874

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F2

<400> 22874

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cgacgcaggg cggcaacagg tcgacgacga cgctggtcgc cgccgtggcc gtagttctgg 120
ccgtggcggc ggcgtcgtcc ctggccggcg tggcgctccgc ggagaaggcg ggcgggttcg 180
tggtgacggg gcgctgttac tgcgaccct gccgcgccg gttcgagacg aacgtgtcca 240
ggagcgtggc cggcgcgacg gtggaggtgg tgtgccggca cttcggcgcg tccaaggaga 300
cgctcaaggc ggaggcgacg acggacgaca gcgggtggta caagctggag atcgaccagg 360
accaccagga ggagatctgc gaggtggtgc t 391

<210> 22875

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-F3

<400> 22875

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 ccccaggcaa gaacatcacg gtcacctatg gcaaggactg gctggacgct aaagcgacat 180
 ggtatggcaa gccgacgggt gccgggtccg acgataacgg tggcggctgc ggggtacaagg 240
 acgtgaacaa gcccccttc aatagcatgg gcgcatgcgg caacatcccc atcttcaagg 300
 atggtctggg ttgtgggtcc tgcttcgaga tcaagtgcga taagccctgt gagtgc 356

<210> 22876

<211> 107

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D7

<400> 22876

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<210> 22877

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-C11

<400> 22877

attttactaa tcaaattctt gttgggatat attcctccaa ttccctcct gtcccagca 60
 aggcaacaac aatctgttcc ggccgcaaaa caaaacaaa aaaaaaacac actgaaccca 120
 ataatccgat cccacagaaa cttttctctc ggtccgttcg atcgatcgct gccgtgtcgt 180
 ttgccagaca ccatcagcac ccaaaaccat ggcctgcaac ctggctcagt gcgccaccgc 240
 cgccgcggcg accgtcgcgc cccgcacccc tcgccctgct gcgtccgcgt ccgtctcctt 300
 ctccgcgagg aagccggcgg gcggcagcct gcggctgcag cggcaggcgt gctgcgagcc 360
 gtcggtggcg ccgtcgcggg cgggtgttcgc ctgccgggccc gcggcgtcng ggagcgcggc 420
 cgacctggcc 430

<210> 22878
 <211> 210
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-C12

 <400> 22878

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 caactaaaca acaaattatt ccctctatca ttcaatccca cttatttatc atacttaacc 120
 caataatcca ttcccacata aactcatctc tcagtccaat ctaacgatct ctaccttttc 180
 aattaccata catcatcttt acccaaaacc 210

<210> 22879
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-C2

 <400> 22879

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 cgacgcacgc cgaggcagcc cgggtcagtt gctgctgtat ccgtccagga tcgngngaatt 120
 tccaggagggc angaaggaaa gttgagtgtc acatagctga gtaccacagg tgatagattg 180
 atggctggcg ctttggctga ggacaatgct ggggatggta gatcctcatc aactgaagag 240
 atgtcaagtg a 251

<210> 22880
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-C3

 <400> 22880

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 cacaggtcct gacattgggt gaagcccgta tgtgcacgtt tcggatttcg caacatcgat 180

ttgagcttca acagttcttc gctagcttgt cggtagaggc ggcaatggct gaagttgagt 240
 ctgtatcccc gtggataggg gacctccgcg accgttaccc tgagtcgagt tgtcacagtc 300
 tgtatctatc gctcctgaaa cctgangggc ctgtattggt tgtcaagcac ttttgtttct 360
 tctcttctgg ttgtaggcta cta 383

<210> 22881
 <211> 297
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-C4

<400> 22881

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 ggggaaccaa tgcccaaacg ggacccttgg gagtgactac tacaaccgcg ccgcttccag 180
 gttcgtgat ggttgccctg aggacgatcg ctactctgac ttgaagaagt ttgacaagcc 240
 atggcctgag gtgaactcgt ttaagcccac tgctgttgggt attttgaaga ggggatt 297

<210> 22882
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-C5

<400> 22882

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 gcctcctcct cccaacaagg caacaacaat ctgttccggc cgccaaacaa aacaaaaaaa 120
 aaaacacact gaaccaata atccgatccc acagaaactt ttctctcggt ccgttcgac 180
 gatcgtgcc gtgtcgtttg ccagacacca tcagcaccca aaaccatggc ctgcaacctg 240
 gctcagtgcg ccaccgcgcg cgcggcgacc gtcgcgcccc gcaccctcgc cctgctgcg 300
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 caagcg 366

[illegible]

<400> 22883

<210>	22884
<211>	416
<212>	DNA
<213>	Zea mays

<400> 22884

<210>	22885
<211>	433
<212>	DNA
<213>	Zea mays

<400> 22885

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agctgactta gcagaacct tctgtggttg gatgcagaac ccttctgtgg ttggatgctg 120
gttgctggtg ttgcgatctg ttgccacctt gtttattgtt atagtagtgg ccataaaatt 180
agctggttca tgtgtgtatt ccagtttcat agagaaagga catggttggtc gtagtagggc 240
taatttgaca ttatggttac taattattct ttaaactatt tgagtacacg tgtgttacia 300
ctgggacata taattacata ataacttata ttctaaatgt gtcttatatt gttataagaa 360
aatggttcat aatccatttg gtatccttgc catacattaa atttggtttt taaatttagt 420
tgtttcactt cct 433

<210> 22886
<211> 432
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-D10
<400> 22886

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tctctcgctt cggccgcgcg ggttgccgcc gccgtcgacg cggaggaccc gctgatccgg 120
caggtgggtc ccggtggaga tgacaacgat ctggagctga acgcggagtc ccacttcctg 180
agcttcgtgc agcgggttcg caagtcctac aaggacgccg acgagcacgc gtaccggctg 240
tccgttttca aggccaacct gcgccgcgcg cgcgggcacc agctgctgga cccgtcggcg 300
gagcacggcg tactaagtt ctccgacctc acgccggcag agttccggcg gacctacctc 360
ggcctccgca agtcccggcg cgctctctc agagaaactc gggagtcggc gcacgaggcg 420
cccgtgctcc cc 432

<210> 22887
<211> 436
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-D11
<400> 22887

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aaagggccgc aaagctcggg ataaagctag aatggaccga cgacggcgtg aagacggtca 120
 tgggccccat ccccgcggtg aagtgggacg agagccgagg acggaagatc tggttcaaca 180
 gcattgtcgc cgcctacatt ggggtggaagg acgcccggaa cgacccccacg aaggcgggtga 240
 ccttcggcga tggctcacc ctcctgctg acgtcatcga cgcgtgcggc caggtcctag 300
 aggaggagtc cgtggccgtg ccatggcagc acggcgacat cctccttacc gacaattggg 360
 ccgtcctgca ctcccggcgc tcgttcgagc caccgcgtcg catcctcgcc tcgatctgta 420
 aatgatgtgt gtagat 436

<210> 22888

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D12

<400> 22888

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 tatttttccg gccggtgaag gatgatacca ggatggacgc gctgaagtgt aacaacaact 120
 gcgccccgcc ggaggagacc gcggaggacg ccgacgccgc cggggcgctc gtcgagaaag 180
 acgggttctc ggtcgaggac ttgttggacc tcgaggagtt tggcgagcct gacaaggacg 240
 gcgcccagca tgaggacgac gacgccccgc cgtacccgc cgcggccgag gagaggtcga 300
 aagacgactc gcagccgttg tcggtcgtga cgtacgacct cccgtcgccg ccgcccggaga 360
 tggttgacct gccgtcgcat gacgtcgagg agttggagtg ggtgtcccgt atcatggacg 420
 actcgtcttc tg 432

<210> 22889

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D2

<400> 22889

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 ggccggggagg agactctggg gcatggggga ggaggagaca tgacatgatg gcgtcatggc 120

gagcgagtga tgcgctcttt cccagtccttc tcttgctgctg tactagctga cttttattgt 180
tactgcccta attctcaagg cagtgtctgt taaccaaadc tcatgcatag ttatctgggc 240
attatgtaat taggagcttg catttagctg cacgtttatg ttcctaataa atatctagct 300
gcatgtgtgt cgagcggttg tgcggccaga acaacgctgc gttcgggtgtg cggctaggga 360
gtggtcacccg ccatgcagt 379

<210> 22890
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-D3

<400> 22890
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gcttatgagg cacttcaggc cagagttgga gcggaggatc cgcgagcgag ctgaaaggga 120
gctgttggcg gcttctgcat aatgtgccag ccatgttgcc cctgtactag tttcctgac 180
tcttcctacc gaaataatac aaactgatgg agctcctttc tgtgtaagga aatgtagcct 240
tcctgatttc tttaaacat cattttattg atgcactcaa gcagctgggtg aattttgatg 300
gactagataa actttccaaa gagaaacaaa ctcgaggggt gtaccgtgta tgctacataa 360
tattatngtg gatgtggatg tct 383

<210> 22891
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-D4

<400> 22891
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gacccccaac gttgccacca tctctgacgt ggagatcaag gagcacgggtg gcgacgactt 120
ctcctttacg ctcaaggagg gtccgactgg cacttggacg cttgacacca agaccccgt 180
caagtacccc ctctgcatct gcttcgctgt caagtccggt ggctaccgca tcgccgacga 240

gatgct

426

<210> 22894
<211> 233
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-C10

<400> 22894

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ggaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaata aaaaaaaaaa aaaaataaaa 120
aaaaatataa taatttttta ttataaaaca tatggtat tttaaataaat aaaaataata 180
caatttatta tatcaaatat tacataaaat aagctataag aaaaacttaa aat 233

<210> 22895
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A3

<400> 22895

ataaagacga ttcactatcc tctgcaactc ttttgagggg ctgggaagtc acagtaatta 60
gacaagagga aacaactgag ggtcccttgg aaatgcaaat agctcttcca tcgatgcctt 120
cattgtacat catatccttt ctttatcaag catgtttgga gattcataag gttggagggc 180
acatcctgga caggattatt ttgcataatt ttgcttggga gctactgcag aaggtcatca 240
atatttatga aaattttctt tcatctgttg aatctgggaa ttctccggtt tcagagaaag 300
gaattctgca aatact 316

<210> 22896
<211> 163
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A6

<400> 22896

aaaaaaaaa aaaaaaaaaa aaaataaaat tttaaaaaaa aaaaaaaaaa aaaaagaaaa 60

aggggaaata aaaaaaataa aaaaaaaaaa gggcggtatgt tttgggggtc ctttttttgg 120
 ttccacgttt atgcaacttt ttttctattt ttttgtgtct cct 163

<210> 22897
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A7

<400> 22897

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 catgtcgtcc accgtgctcc tcgcgccact gccgatggcc aggttctcgc acatcgtaga 180
 gcgggaggcc acctcgtgct cgggggttcga catccgcttc caccgcctac ctgacgtgga 240
 gctccccgcc ttctccggcc cggaggacat gatctccagt ttcattccagc tgcaggcgtg 300
 caacacctaa gcgggcattg tcggcctggt aagccccgtc gccggcgacg ttatggacta 360
 cttttgcacc acgtgtgttcg acgtc 385

<210> 22898
 <211> 255
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B10

<400> 22898

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 ctagatctta accaccgtga tcgcgctcga cacctacata tccatcatca ctgacaacta 120
 cttatacctc acccactaca ccaacttctt caggaacgat ttatgattga attacatcaa 180
 ctagaacgac cagttaactt atgccatagc tatacctaca aaccatcatc atcatcaagg 240
 cgctcatctt caciaa 255

<210> 22899
 <211> 244
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B11

<400> 22899

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaagggggac ccttttaag ggaaaaaatt ttgaaccgcc 240
gaat 244
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<210> 22900

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B12

<400> 22900

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tggattcgga ggcggtgcag cacggctgcg cgcattacag ccgtgggtgc agcgtcgtgg 120
cgccctgctg cggccaggcc ttcggctgcc gccattgcca caacgacgcc aagaactcgc 180
tggaggtcga cccgcgcgac cggcacgaga tcccccgcca cgaaataaag aaggtgatct 240
gttctctctg ctccaaagaa caggacgtgc aacagaactg ctccagctgt ggggcctgca 300
tgggcaagta cttctgtaaa gtatgcaagt tcttcgatga tgatgtctca aagggccagt 360
accactgtga cggatgtgga atatgtagaa ctgccggcgt ggagaacttt ttccactgtg 420
ataaatgtgg gtg 433
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<210> 22901

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B2

<400> 22901

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caaggctaga gccctcaagt tgtactcagc tgcaacactc catgcagaag gctacatgca 120
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tgaggcgcca gatcaaaca cggatgcact ggccgcctac gtcaacgcgt tctcgaccga 180
 gcttgagcat gtgccgtcca aggtggccat cggcgcaatg ctctccaagc aaggtcccag 240
 gtttctacct gcagcgaggt gcttcctctc ggacgccctt agagtcgagc ccacaaaccg 300
 gatggctcgg ctctacctag gacaagtgca caggtcttga tgggaggatc tctgacgctg 360
 ccgactgctt tca 373

<210> 22902
 <211> 249
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B4

<400> 22902

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 gcgcggcggt gaccgcccga gttggagggt cggagcccga tggggcagcg gcacgcctct 120
 gcaacagcct gcgggggtctc ggctcaaggc cggtcggtgc acgtgcgggg tcaggtgaag 180
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 ctcgagtc 249

<210> 22903
 <211> 484
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-028-Q1-K1-B6

<400> 22903

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 cccagtcaag gattatgggc tggccgaggg aaatgttctg catcttgta ttcgactatc 180
 agatctacgt gtgattaaca ttgagactgc aactggaagg aagtttcagt ttcaggggtg 240
 accagagccg caatgttaag tttctcaaga ataagcttga agcagagggg gatgaggata 300
 ttggtaatct tgaggatcac aagcttgaat atgatggtga ggagcttgag gacaaccagc 360

tgatagctga tattagcaag aaggatgatg ctgtgattca tttattttatt cgganaccag 420
 caaaggtatg gacacaacaa gttgatggag atacttttggg tacagttgtc aatccacagg 480
 gaaa 484

<210> 22904
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B7

<400> 22904

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 accaacaaca agaccatggc tatatgcacg aacgccaagg gcagcaccaa gggttgcctc 180
 aaggagcttg catgcttcta gacctccat cgactgacct atctctctag ttataatttt 240
 tctctcgtcc ttgcattgcc cattagatgc tatccattgg taacgcacaa cagtaaaacg 300
 acagacatcc gacagctata ttatgttcga cgggtgtaaca ccctgaattt gagggataaa 360
 aatttcttct ccaaatacca accaaattca ggggttacct cttgtctctc tctctctttt 420
 cccttttgat taaaagtaag tgaattaggc gaggggttaa ttatttattt t 471

<210> 22905
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B8

<400> 22905

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 aagaagcatg acgatcccta tgttccctatc cctgctcatg tttataattt tggacctagc 180
 cggttcccag cccaacccc tgatcatctcc actggcagag ctcagccaat tgcagtaccg 240
 gccattcatc tggaagagct gaaagaaatt acaaaaaaac tcagcagtga tgccttcatt 300
 ggcgagggct cgtatgccag agtctatttt ggtgtgctga aagatgggac gaaatctgca 360

gtgaagaagc ttgactccag caaacaggct gatcaagaa

399

<210> 22906
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B9

<400> 22906

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cttctacctc gccacgaca ccgacttctt cacggacgtg ttcggcgtga attcgatcaa 180
ggagaacgac agggagctga tggcggcgct gtacctcaa gtaagcatca tcagccaggc 240
gctcatcttc gtgacgcggt cccggagctg gtcgttcgtg gagcggccgg gcttcctcct 300
gctcttcgcc ttcttcgccg ctcaagtggg ggcgacgtgc atcgcggtgt acgccgactg 360
ggacttctgc cgcattccagg ggatcggtcg ggcgtggggc ggcgccatct ggatgttcag 420
catcgtcacc tacatccc 438

<210> 22907
<211> 308
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-028-Q1-K1-C1

<400> 22907

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ggtgccggtg ccaccgtcac cggcagtgga actcgctcat cattgctcgg tgagttnaac 120
aacgtgcctt cgatgatggg ggcgtgagat acgcctgcaa ctccctaccag gtggctgcga 180
ctaggggctg ggcttcggga ggcggcgact ccagctccat cctcacgacg actgttgggg 240
gccttcattt ttcgaagggt ctttaataaca cggctaacca tctgttttca gcatattatg 300
aagtatta 308

<210> 22908
<211> 319

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-A2

 <400> 22908

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 ccggcgcgcg cgtgcgtgcg acgatgtcgt cggcgggtga ggccgtctcc tgccccaagg 180
 tcgacgtccc cgccggcccc gagccggggg agccggccaa ggaagcggcg ccgtccgcgg 240
 agcactgcga cacggcgccc aacggcaagt gcgcgccgcg ttgccacggg gaggaggagg 300
 acgacgacga cgaggagga 319

<210> 22909
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G7

 <400> 22909

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 gtgatggctg ttcaggttca ccgccaccgt aacaaggctc gcaatggcca agctatcagg 180
 tgtgcaatgg caactggaaa agagcagggt gcaatttcca ctgccagtag cggatgatcaa 240
 accaagggcg gtttgcgtgg aaaattaaac aaagtgttt tagcttatag tggtggtttg 300
 gatacatccg ttattgttcc atggctcacg gagaactatg gttgtgaagt cgtttgtttc 360
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 agtggtgcat gtcagc 436

<210> 22910
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G8

 <400> 22910

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cgagtctgcg gccagccagc aagcagtgcg agtacaggca tggcggctgc cggcggacgc 120
gcggttgcgg tggcagccat ggtggcggtg gtggcggcgg cggctctgcc tctgctcgcg 180
tgtggcggtt acgcggagtg ctacgactac tgcttcaagg actgcatctc caaggacaag 240
tccatgagag actactgcag ctacgcctgc gacaagacct gcgcgcccga cgcccggcag 300
cggcgccccg cggtcgttcc catgaact 328

<210> 22911
<211> 263
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G9

<400> 22911

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tcacggggac agatacaaca cggatggcat gcacatggac cactaaccga acatcaccat 120
caaccacacc ttcattgacg tagacaacga ctgcatctgc atctgtgccg actcctccaa 180
tgtgaacaac accggcatga cctaaaaccc tggccaccgc atctgcatcg acaacctatg 240
tcagtacaca gacaagatcg acg 263

<210> 22912
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H1

<400> 22912

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gcgcggggagc agctccgcga cggctcttggt gaacaccgcc ttgtcctgcg ggatcagcag 180
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ctcgggtgcgc acctccagga cgaccacctc ggactcggtc tcgcccagga accttgccac 300
gtcgtccagc accacgtcga cgggggtacgt ggccaggacg ccgtggcata cgcggcgccc 360

cttctggacg cgcacgtcga ggacgcgcgc gccacgcggc agctgctcgt acacggacag 420
cgactggcac tgcgcgaagg ggcgggtcac gaa 453

<210> 22913
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H10

<400> 22913

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aagatcaggt tgatgtcgtg ggcgagaagg ccctcattga gataaaaaag cagtacaaag 120
tgattgatgc aaagtttata tctaagatcc caatgttgct tgagaagaaa caacactgag 180
agaggggtgct ccaaaggtct aattcagcac attaccaata tatgaaagta gttcctttgg 240
ctctgctata tcatcattta gcaaccttta agatgatacc atagatatta tatggattcc 300
taaggttgga aatttgtgtc ttccgagtc cctagaatag ttgcttcttc ctgtctgaca 360
gtgaatttga ttctggatgg atgtgacata tatatgcctg accaattgtc attatttgct 420
attcatatat gttactgcgt gtatttaata gct 453

<210> 22914
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H11

<400> 22914

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gattgatgca aagtttatct ctaagatccc aatgttgtct gagaagaaac aacactgaga 180
gaggggtgctc caaaggtcta attcagcaca ttaccaatat atgaaagtag ttcctttggc 240
tttgctatat catcatttag caacctttaa gatgatacca tagatattat atggattcct 300
aaggttggaa atttgtgtct tccgagtc ctagaatagt tgcttcttcc tgtctgacag 360
tgaatttgat tttgtatgga tgtgacatat atatgcctga ccaattgtca ttatttgcta 420

ttcatatatg gtactgggtg tatttaatag c

451

<210> 22915

<211> 375

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-H2

<400> 22915

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tggactgttt cctgtccta cagatgcaca aggactgcgt gagagatgtc gcgtgggccc 180

catacctggg ccttaciaag tccaccatcg ccagcgcttc tcaggacaga acggtcgtca 240

tctggacagc atcatgagaa ggcgagcagt gggactgccg gatgctgtat gatttcagaa 300

ccccgtttg gaggttgtc tggtcactga ctgggaacat actggcggtt ttcgacagca 360

tcaactatgt taccc 375

<210> 22916

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H3

<400> 22916

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gccgggtgtg acgaggtcac gggcccactc cacatgagca tggaggactg catgaagagg 180

tgcaaggaga tcgctgctaa gcaggggcct agggaccctt acaaggataa caaacttgac 240

atcccatgaa ctaattaatg ctctatatc atctgcctat ccatgcatgc attgcattgc 300

gtatgcacac tgtgctgcc tgcccacaaa gtctgacaac acaccgatct cgacggattt 360

gtaatcgtgt cactcgatc gagagatcga tcgatgcttg gtattatatt tggatttcac 420

atta 424

<210> 22917
 <211> 485
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-H5

<400> 22917

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 ccaactacca cttctagccg ggagtcttcg tcagctccat catattcatt gcctgctgaa 180
 gctgaagaaa ttcctaacca gattcaagag aagagaccag ttgatactta tcggaaaggc 240
 actgaaaatt ttacctccaa cccttcgcg gagcctgata gaaattcctt cagtatgggt 300
 ccaaattatt ctaataaagg gagagaagac aatgggtgcag catctggtaa tgataggag 360
 aggtatgatt tgaagtccac ccaaactgct tacactagta aggcacagtt gggtcagaat 420
 tcaacataca cacaggagga gaaagtcaca aaagtctcac ctntcggag aaaggcttat 480
 aaaga 485

<210> 22918
 <211> 72
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H6

<400> 22918

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 aacgctaata ag 72

<210> 22919
 <211> 481
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-H7

<400> 22919

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aagggcgatc gcattagcga tagctcaagt cctgatggcg atcgggcact tcaacttcgc 120
gatggcttgg cccgggacaa tgtacatcgg cacgctgctc gtcggagtag gctacggcgc 180
gcactggggc atcgtgccag ccgcagcctc ggagctgttc ggggtgaaga acttcggagc 240
gctgtacaac ttcctcacgg tcgcgaaccc agcaggctcc ctgggtcttct cgggggtcat 300
cgcgagtggc atctacgaca gtgaagcagc gaagcaggct cagcagcgcc acaactccac 360
gtcgctggcg atgagtggca gagtggctgg catgggtctct ggagccgctc cgtcgttgaa 420
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c 481

<210> 22920
<211> 401
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-027-Q1-K1-H8
<400> 22920

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ggcgtcgcag gtgctggagt gggcctggtg ggcgccccgg cgcgtgaacc gtgcgctgag 180
ggcgagggc ctgaggggca cccggtaccg cctcctctgc ggcgatctca tcgaggagca 240
gcgtctccgc gcggcgggcc tggcaaggcc cgtccccgtg gatcgaccac acgacttcct 300
ccctcgcgtc gcgcctttcc ttcaccgct cctncaagag cacgggcagc tctcgtttac 360
atgggttggg ccgaccccaa agagtctaata caccgatccc g 401

<210> 22921
<211> 422
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-H9
<400> 22921

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gcgctggcag	gccgccgcc	ggctggacgc	cgtcacgcgg	agggagatgg	ctccgcacga	120
cacggaccgc	gacggtgccg	tcacgctgcg	cgagttcttc	gcagactgga	tcaacatggg	180
acatgacaaa	atggggtggt	ggatgcacaa	gtttgcgagc	gcggacagag	acggggacgg	240
ctcgctcaac	gccgtcgaat	tcaacgactt	cctgcacctt	gaagacagca	gccaaagagag	300
cgtagtgctg	tggctactca	aggacaagct	aagcgagatg	gaccacgacg	gagacggcag	360
gctaagccag	gaggagttcg	tcgcccatac	tcacatcatc	atctccggcg	cgcgtcacgc	420
cg						422

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<210>      22922
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<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-028-Q1-K1-A1

<400>      22922
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<210>      22923
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<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-028-Q1-K1-A10

<400>      22923
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actccagaca tcattaaatt ggggtgatga actatatgat ggtgaatcaa ataaacttca 420
gagtattg 428

<210> 22924
<211> 303
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-A11
<400> 22924

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caacaataat ttgtaagcta aattcaagca ttttatttta tatttcaata aagaaagggga 120
gaaaagctac ctctgatca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa agaaaaaaaaa aaaaaaaaaa agacaaaaaa aaaacaaaaa 240
aataatctga ctaagaaaaa aaaaagaaaa aagaaagaac ttggtgagcc ttaatcttta 300
ggg 303

<210> 22925
<211> 243
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-028-Q1-K1-A12
<400> 22925

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gaaaaaaaaa aaaaaaata taaaaaaaaa aaaaaaaaaa aaataggaaa tacggtggga 120
tggttttaag gttctgctg ataaaattcg gtgcactggc tttagaattc tattatgggtg 180
actggaaaaa ctgtggattt gcctaaatta ttgggcttgg aaaattgtta aatttttgca 240
gtt 243

<210> 22926
<211> 308
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G6

<400> 22926

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 agctatatat gtagtttgggt tacctttttta atttgtggca gagatggcga atttagtttag 180
 gtatatacgt ttgctttttg caacttttgca ttgctatatg gcaaattttg aagcatgttt 240
 atctgttgta ctagctgaaa atgaattcgt tctgtgctaa caatgtattc aataaatatc 300
 tcgattttt 308

<210> 22927

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F11

<400> 22927

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 agaactcatc tttgcatatg caaagattga caggctcagt gacattgagg aattcattct 180
 tatgccgaat gttgccaaacc ttcaaaatgt tggtgaccgt ctttttgagg aagaactata 240
 tgaagctgca aagatcatct atgctttcat ctcaaactgg gctaagctgg ctgttaccct 300
 ggtaagctg aagcagttcc aaagtgtgtt ggatgctgct cgcaaggcta acagtgttaa 360
 aacat 365

<210> 22928

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F12

<400> 22928

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 gcggccactg atgcaggcgc cccggagcac gtggtcatca tggatctatc ggtagtgctt 180
 ctgaacgtgt gctacgatgc agtgaccatt gctgtgtaca tctcccaggg caagctgcct 240
 agtgttcaac accggaatgc ttgagttacg cctgtgcctt ggcaattgca ctgtgaccat 300
 gcgcagactg atacataagc tctacggcgc gacatccact ctgtacttcg acgagacgca 360
 agtggccaat acgctgacga tgcgctctg 389

<210> 22929
 <211> 260
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F3

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 cttaaggtgt cattactatg tgtacccttg tactgctga ctaaatcggg atgttttaca 180
 ttacacttac tgcagctttc gtgatagcaa agaggcctg ttccaatcgc acttcccaac 240
 atatgcacag gctgaacggc 260

<210> 22930
 <211> 481
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F4

<400> 22930
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ccctacggcc agatcttccg ccccgacaac ttcgtcttcg gccagtccg cgccggcaac 420
aactgggcca agggccacta caccgagggc gccgagctca tcgactccgt gcttgacgtc 480
g 481

<210> 22931
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F5

<400> 22931

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tgctcaactc caagttcttc cacatgaaca tgtacaagtg caaggacatg ctgatcaagg 240
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cgtccgg 307

<210> 22932
<211> 328
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F6

<400> 22932

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gccatgcaga ttagcgccag ccggtggat catgaccttc tggctctaga catactactg 120
caagatactg cccaactcgc tggatgatgag acgttcgaga acaacggaga tgtgtcacga 180
gataactctg atcaacttca agctcatgca catgaacatg tacgatgacg aggacatgct 240
gatcaacgac gttaatgaga cgactcacga tgacatgaac gatactgacg acattcacat 300
aggcgactag gctgggtgtca cgatcacc 328

<210> 22933
<211> 475
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F8

<400> 22933

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tgaggccgcc gtctccacac ccaaggttgc gcccgaggcc actccaatct ccgttgaggt  180
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ccacaaggag gaggaagccg tggagaagac cgtcgtcgag gaggagaagc cagcggcagc  360
agcccatgca gagggaaaagg tcgccaccgc cgccgagacc acgacgactg tggaggcgaa  420
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<210> 22934

<211> 359

<212> DNA

<213> Zea mays

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<400> 22934

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gaaatcctgc acatccatgg cggtcagtgc gggatccaga tcagggccaa gttatggcaa  180
gtgatctgcc acgagcatcc aaattgacca cacgggcaaa cacggcggtg actccgacct  240
acagctcggg cgcataaaca tctactacaa tgaggcctac tggcgagaa gccttccgag  300
cgccgcgtc atagaactcg agcactgcaa catgcacttg gtacgctccc tacactacg  359

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<210> 22935

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G1

<400> 22935

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gagcgtgatc tccgtacgtg ccgtcatggc ctgcgaccgg gcgctgctgc tgctgctcct 180
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cggtgccacc atgact 376

<210> 22936
<211> 64
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-G10
<400> 22936

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gtca 64

<210> 22937
<211> 440
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-027-Q1-K1-G11
<400> 22937

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tcacgaagac aaagccggac aacttcacta ctgcgatagt agagaaaaaa gatgattata 180
tccgagttga atatgagagt cctatatattg ggtttgtaga tgatgtggag ttctggctcc 240
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tcaatgcaa caagaagaga gtaaaggagc tgagattggc tttggaaaag aacggctggg 360
cttcaaaaag caacttctga attgaagtga gaagtgtgga agacgtgcaa gtgcatgcta 420
cttagacgag ccagcacaac 440

<210> 22938
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G2

 <400> 22938

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 cacgacgaaa ctcgctgtgg ctgccagca gcgcgcgtg cgccttcttg agcgaggggt 240
 cgtagtagga gttgaagctg tcgatgccga cgacgccgac tcccggatct ggcgctccca 300
 gtgcaaccgc ccccaggacg cccggatctg tcgcgcccgg tgctggtcat gtcccactcc 360
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 cggctggacc agtcc 435

<210> 22939
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-G3

 <400> 22939

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 ggtgaacatc accggcgtga cctgtggccc tggccacggc atcagcatcg gcagcctagg 240
 gcggtacaag gacgagaagg acgtcacgga catcaacgtc aaggattgca ctcttaagaa 300
 gacgatgttc ggcgtccgca tcaaggcgta cgaggacgcc gtctncgtgc tcaccgtctn 360
 caagatccac tacgagaata tcaagatgga ggactcagcc aaccccatct tcatcgacat 420
 gaagtacttg cccaacaa 438

<210> 22940
 <211> 438
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-G4

<400> 22940

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gagaactcat ctttgcataat gcaaagattg acaggctcag tgacattgag gaattcattc  180
ttatgccgaa tgttgccaac cttcaaaatg ttggtgaccg tctttttgag gaagaactat  240
atgaagctgc aaagatcatt tatgctttca tctcaaactg ngctaagctg gctgttacct  300
tggttaagct gaagcagttc caagggtctg tggatgctgc tcgcaaggct aacagtgcata  360
aaacatggaa ggagggtttgc tttgctttgt gtgacgctga nngagtcctg cttgcacaaa  420
tatgtggtct caatatta                                     438
  
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<210> 22941
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-G5

<400> 22941

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agccgcagca tggcatcatt ggccgcgctc ttgggtgctag ccctcgcgct agtggcgggc  120
accgccccac aggtagcgga ggcaaagaag aagagagcgg cggagagcgg cgaggcgggc  180
gaggcgaaga agatccagga cgacttctgc tcgacgctgt gcgaggggcaa gaaggggacg  240
gacctggctg tgtgcaagga gtcctgcgcg ctctcccagc agtccaacct ggtgctgtac  300
ggcaggatcc agttgcaggg c                                     321
  
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<210> 22942
 <211> 393
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F10

<400> 22942

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tcgtggagta gaggaactgt tcagctcgag cgagtatacg attgtaaact cgtgttaagt 120
tactgaagcg attcgataat tggacttttag gatcatcatg catgtatctt tagtgcata 180
gagcatagga ttccagcaaa ttcaaatttc ttgcagctgc acctcacttt taactccaaa 240
ggtgtgctct gtgttgcttt gaagtcactt gtaacttctt catatcgctt gtccctaagc 300
agactgtcaa agtgctcaaa aaaagtttta ttcaatggat gcatccaagt tctaagagaa 360
gatcatggag taacttggtg gcaagattta aaa 393

<210> 22943

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D4

<400> 22943

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ggagcccacg gatggagagc tgggtggtctg cctactacgc cagcgtctc aacttctaac 120
caaaatccac acaatccaac agctttatat gtaaagcgaa ggcccacgct cacagtcgtc 180
ggcccaactg atgcccgtgc gccgcgcgct gggccgcacg gcccaagagc taccaagcgc 240
gggcacgcac cgcggcagcc caaggatctc tccaccttat ctccctgctc gggactcggg 300
acctttacct atcttcttcg gtcttccatg ggagcgagct agagagaagg cgccatggat 360
caacagcttc tcgtggatga ctccaatcat attaacgata tactaactta taatgtgcca 420
aaaaaaaaa aanaagttta taatt 445

<210> 22944

<211> 484

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D5

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 gtaatggagt cgtcacgcag gttccagccg gccgtcatcc tgcttctect gtcattgtg 120
 tccaccgata tggcacaggc aagggaatgc gagaagtaca gtgagcgatt tgttggggca 180
 tgcattgatc cagacaactg cgccaatgtg tgccgcgggtg agggcttctt ggccggcagg 240
 tgcagcacct tccgccgccg ctgcatctgc actaggcagt gctaaacaag atcgctcgat 300
 cgctcgccat gcatcgacaa cctattctta ataacgttca ttatctcgtt cttatntatg 360
 acgaatgtca tgtatgttct ggtgactgtc atgtatattc tgatgactgt catgtatctt 420
 ggtcatgtat gctcaagggt cattatcttg gtcattgatt aaagatggta tgaataactc 480
 aata 484

<210> 22945
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D6

<400> 22945
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 ggaatggagt cgtcacgcag gttccagccg gacgtcatcc tgcttctect gtcattgtg 120
 tccaccgata tggcacacgc aagggaatgc gagaagtaca ctgagcgatg tgttggggca 180
 tgcattgatc cagactactg ctcttatgtg cgcacgggtg aaggcttctt gagccgcacg 240
 tgcagcaccg ttcgccgccg atgcatctgc actaagcagt gcttaacaag atcgctcgat 300
 cgctcgatcat gcatcgacta cctagttatc ataaccgtca ttatctccct cttattcatg 360
 actaatggca tgtatgttc 379

<210> 22946
 <211> 235
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D7

<400> 22946

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caccagctac ctaggctggc aggaggggca gcgcgctcgg gctctgatcg tggacccgga 120
gctcgaccgg tgcaagcagc acgacatgat ccgggtgacg tagaaacttt agctgtcgac 180
ggcttatcaa gctcttcacg ggctataact ggggtggcgct gacgcggcac ttata 235

<210> 22947

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D8

<400> 22947

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gtcaaggacg tcaccttcaa gaacatcacc ggcacctcct ccaccccgga ggccgtcaac 120
ctgctctgct ctgccaagat cccatgcacc ggcgtcacca tggacgacgt caacatcaag 180
tacagtggca ccaacaacaa gaccatggcc gtatgcaaga acgctaaggg cagcgccaag 240
ggttgcctca aggagctcgc atgcttctag aaccaccatc gacccatctc tctagttata 300
caatgtgtnt ggttggtgga tgctgagaga tnggttctca gctcagatgc aagctgcgcc 360
tagcctgtgt aggtttgtgc tggatcatng agagct 396

<210> 22948

<211> 282

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-D9

<400> 22948

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ggcctccctc tccggnctct atcgaccgac caacgcgccg agcgaagatg tcgtggcaga 120
cgtacgtgga cgagcacctg atgtgcgaga tcgatggcca ccacctcacg tcggcgggcca 180
tcgtcgggcca cgacggcgcc acctgggctc aaagcaccgc gttccccgag ttcaagcccc 240
aggagatggc tgccatcatg aaggatttcg acgagccggg gc 282

[illegible]

<400> 22949

<210> 22950

<212> DNA

<223> Clone ID: LIB3066-027-Q1-K1-E11

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tgcgaggatt cagcggccat gggcggcggc aacgcccaga tgtccaagat ggcgcgcgag 120

aggaacgccg agaagaacat gggcggcaaa ggcagccagc tggaggccaa caagaaggcc 180

atgaacatcc agcgcacgat ctgcatgcag accttcatct gcaccacctg cgatgccaaag 240

tgcaaagaac atgcggaggc gaggcattcc aagaacgacc tctaccagtg cttccccccac 300

ctcaagaact agtaagcagc agaagcatat gctctgctca gctaaaagac aagtactaca 360

tatatatata tatak 375

<210> 22951

<211> 169

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E12

<400> 22951

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaagaa aaaaaaaaaa aaaaaataaa gttaataat 169

<210> 22952

<211> 428

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-E2

<400> 22952

acttgctagt ggggaaaaca agatggagca acgcatgcat tgtagtgatc cacaagatac 60

agatccaaca acattgcctg ctcaaaggcc ggcaatctca aacatagtag cttataagaa 120

aagcactcaa ggaaaggaat acatagaatg gggacgaagg gggcccttga gcttagaagc 180

acttccggtg aacaatcgct ggtcctgact catcgctact agcctttgag gtaacatact 240

gttggagagc agcttgctg taactatctg taacaatgaa acagacaaca cagaattgct 300

cccagtgcaa cagctggatg atattagaga agcttctgat tctgcgccag agatctncat 360

atgcgaacct aacctgtgct ccagtatgaa ctatggcaca gtgcctggaa gacactccat 420

gtcagaag 428

<210> 22953

<211> 302

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E3

<400> 22953

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tggaggcggg caagacgtac cgcctccgcg tgtgcaacac cgggatcaag gcgtcgctca 120

acttccgcat ccagggccac gacatgaagc tcgtggagct ggagggtca cataccctgc 180

aggacgtgta cgactcgctg gacgtgcacg tcggccactg actctccgtg ttggtcgacg 240
 ccgaccaggc gcccggcgac tactacatgg tggccttcac gcggttcatt cacgacgccc 300
 ag 302

<210> 22954
 <211> 241
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E5

<400> 22954

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 aggagaggaa acgcgcgaca caggtgcagc aggctcatga accattacgc ggctgccagc 120
 tgacaagggtt ggcccttcat gcaactcgaaa gctactagat ggaccacttg gaaggagctc 180
 tttgacttct actatagcca acctcagcc tctgtggtca atactcggca tctcgaagat 240
 a 241

<210> 22955
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-E6

<400> 22955

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 ggagttgccc ttggatTTTT ggggtgagtga actacgggtg gtcggggcaa aggacatttc 120
 aacagccgat ggatgcaacta agaagaataa ggacgcagtg ctctgcccag gctaacacgg 180
 taaccaatTT catcaaccct accaactctg aggaacaagg ctataggacc atcggggagt 240
 ccatcgctaa catccctgat gatagcacca aacagtacat cctcatcctc agcgggtggca 300
 ccgtgtaccg agagaaagta ttggtgagca aaagcaagcc attcgtcacc ataagatcag 360
 atgacctcat caaccctgcc atcattgtgt ggaacgacac t 401

<210> 22956
 <211> 318

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-E7

 <400> 22956

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 accggtagat ctāacccccca ggcagccccg gaaggcgat ggcgggcgacg ccggcgcccta 120
 ctacgagtgg agcccagccg acctgcccac gctcggcgtc gcctccatcg gcgcagccaa 180
 gctctccctc gccgcgggtg ggctctcgct cccagctac tccgactctt ccaaggctcg 240
 gtacgttcct tgaaggcaact ggcacctgcg gcacgtcct tgcggaggc gaaccaagga 300
 gaagggtgctg gccgtgaa 318

<210> 22957
 <211> 390
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E8

 <400> 22957

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 caacctggtg tggtgtttcc tggtcggcgc gttgtctccc gtgccggtgt ggctgtgag 120
 cagggcgctt ccagagaaga agtggatcgc gctcatcaac gtgcccgtca tctcgtagcg 180
 gttcgccggg atgccgtcgg ccacgccaac caacatcgcc acctgtctgg tgacgggcac 240
 catcttcaac tacttctgtct tcaggtaccg caaggggtgg tggcagaagt acaactacgt 300
 gctctcggcc gcgctcgacg ccggcaccgc cttcatggng gtgctcatct tcttcgccct 360
 ccagaacgcg caccacgagc tcaagtgggtg 390

<210> 22958
 <211> 300
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-E9

 <400> 22958

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 cgctctcacc tcattggggg cctgggtgggc gaataagcac caagccctnc gcttggatcg 120
 accatcgtgc gcgttccttg ctgcgctcga gagatttcca acgccgagct agcgcacagg 180
 gaagggagag aaaagtgagt gccaccgcgg ggacgagga aactcgactc accacctatc 240
 gtccttggg gttgtgtcct ggggattctc cgggcttggg ggaggaaggt tgaagcagct 300

<210> 22959
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-D2

<400> 22959
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 gccaaactgga aggccaacac cgcctacacc gccaaataat taacttttagt gctgacaata 120
 ctttaagccg gcctatgcta gctatactag aattggttgg atcccaagca atgcattaca 180
 catgcatgca ttggaccgtg atatctatct gctaccacta ccctattacg acagtgatgc 240
 tggcgccaac aatgatggtg tcatectect tctccatctt cttcatctcc atatatagct 300
 agagtgcgac ttcgctgttg tttaaaagag aagagttaag aaatggattg acaagttata 360
 taataagtgc ctaatgaaat atttgatagg cttcatcttt ttatcaaagg atccatgaat 420
 gttgtgttgt ccatgtatct nctacgtaat cctaacttta tcatgtattc ta 472

<210> 22960
 <211> 322
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B9

<400> 22960
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 ctgaacgagc gcatgtacta caggctcgac ctcatccagg ccaagggcgg cctgtacgcc 180

tagtcgctca ccaggtactc ctgcgcgctc aactgccgcg tcggctggaa gtgctagtgc 240
 gtgtgcagct ctaggctgca actttcatca ttggcgatcg atcgtaacaa tgcaagggtg 300
 ttgcgtatat aacgcttgtg tt 322

<210> 22961
 <211> 333
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-C1
 <400> 22961

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 tatcgtgctg gtcaaagtcg agagcaacaa tgacatacat agggtagatg attccgggggt 120
 cgtaatcaag gattgtgagc atcacgcaga tgcagaactc tattctgtag cagccgaatc 180
 gtaggaagac gccaaagggc gggaggatta tggccaagag gatctacaag aagggtgcaac 240
 agtaggcgtg cgccatgacg atctcgaagc tggtcaggat cgggactgat atgttgctat 300
 gcgtagagcc cgggtgactag ttctagatcg gga 333

<210> 22962
 <211> 334
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-027-Q1-K1-C10
 <400> 22962

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 gatggcgctg tcgcatgctt acatctacaa gatgcatctc cttcagagct accgcatcgt 120
 ctgtcacacc gacatgacta acgccatcca tgctactaa tactactgct gcctagcgct 180
 gacgagagtc attagaatgt cactcatgcg tcaacttgtg ctattactga aaatacacct 240
 ttgagatctg tgaagggctc caatctatct aagcgatcaa aggaatagta tctaggcctt 300
 ttcctgagct ggtgatacta atatggagca ccat 334

<210> 22963
 <211> 386
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-C11

<400> 22963

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ccctccttca atagcatggg tgcattcgcc aacatccnca tcttcaagga tggctctgggt 120

tgtaggccct gcttcaagat caagtgaat aagcctgcag agtgctccag caagcccatg 180

gtggtgcaca tcacggacat gaactatgag cctatcgagg tgtaccactt cgatttggca 240

ggcacggcgt tcagcgccat tgccaagaag gacgaggagg agaagccgtg caaggcgggc 300

atcgctcgaca tgcagttccg aagggtcaag tgcaagtacg gctccaagat caccttccac 360

cttgaaaagg ggtgcaaccc caatta 386

<210> 22964

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C12

<400> 22964

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cccagggagg cagggacaat cgacttcgcc gggcgccggc tagccccacc ggcgacgaca 120

ggcacagtgg accacggagg agaaagtact ctgctttgaa tgggaagtgc catgaacaaa 180

gacaaagttc atgacaagga gactcacgga acaagtagtg atataactga gaaaacacct 240

gtggaaaacgg tgaaggggtcc caatctgctt gagcgagcaa aggaagagat cgaggccctt 300

gccggagctg ttcatactaa gatggagcac cattccagtc cccacgcgaa gaaggatgaa 360

tcacataagg aaggcaagga ggggagcctg cacaaaataa aagcccacac ggatgaaact 420

cacggaacaa gtgctgacat aaatgagaac aca 453

<210> 22965

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-C2

<400> 22965

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atgtcatcgc cacgcacgtc gcctcgccct tcttgacgac gtgcgcgggt cggccggata 120
ccatgccggg caagcaggag gagggcggcc aaggcccggc gggcagcagc gtgtgcttgt 180
ggctggtgac ggcgtgctc ctgctatctg tgctcgctcg cggcgcgtgc ctgcgggctt 240
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tcgcgtacc aggggcgttc tggatcctca cttgcgcgta ccggtgcgcc gccgcgcggg 360
ccgtggagcg cacgacgatg gccgtggcgc cgtctnctgg tagcatgtgc tcgcgtacg 420
gatcgtgagc agtgacctat ttaaggatcg ct 452

<210> 22966

<211> 471

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C4

<400> 22966

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ggctggtggc gccggcgtg gtgtacgcca gcgctgccag gatggcggac gccgacgtgg 180
ggagcccaa cttcaacctg acgtggaagg tggacgtgga cccgtccttc agctacctgg 240
tccgcctctt cttcgccgac atcgtgagca aggccaccaa cgacctctac ttcgacgtgt 300
acatcggcgg gcgcaaggcc gtgtccgggc tggacctgtc gacggtggcc ggcggcgagc 360
tggcggcgcc ctactacaag gacttcgtgg tgaactcgtc gttgctggag gacggcaagc 420
tgagcgtcca ggtcggggccc atggggcatg acacggtgcg gatcgacgcg c 471

<210> 22967

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C5

<400> 22967

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agacgaggcg gcggttttcc ggggcagcat cgtctcggcc acgaagatgt cttactcaag 120

gggctcaagg tatggatctc gctcacctta ctcgagaagc acaaggtagc gaagtcgctc 180

taggagtgtc gactctagtg atgctgaaaa ccctgggaac aacctgtatg tgactgggtt 240

gtcggctcgt gtaacggatc gagatctgga gaagcacttc tccactgagg gtgaggatgat 300

tgatgcaagc gttgtgtatg atccttggac aagggaatca cgggggtttg gttttgttac 360

catggctgct gttaaagatg cagatc 386

<210> 22968

<211> 481

<212> DNA

<213> Zea mays

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<400> 22968

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caactgcgcg aagaagccat cctgatatcc cttttggctt cctcattcta gtagtttagg 120

atttcttttc tgacactttg attctgacca atctctctgg cctgctgctt cctgataatc 180

gaccagttcc ccagtcttgc tccttgcaact cctccctcca tcttcagcat tgtgttctga 240

ttcacctgct ccaatggctg ttctttctgc tgctgatgct tccccggtct cagctatcgg 300

gtttgagggc tatgagaagc gccttgagat cacattctct gaggcacctg tctttgtgga 360

ccctcatggg cgtgggtttgc gtgccctctc cagggcccag attgactctg ttctggatct 420

tgcacggtgc acaattgtgt ccgagctctc caacaaggat ttcgactcat atgtcctttc 480

t 481

<210> 22969

<211> 295

<212> DNA

<213> Zea mays

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<400> 22969

ttgcattgag gtcattgtgag cggccgaatg ttttcatgaa attgcgacgt gctgagtacc 60
 ggggtgttatg ccaactgaca tcgtggggta atatgttaag ccataagact ggaatgacat 120
 gataagtgat ccaaaaaactg gaatcataga tgtgcgtaac atgtatgaca tactcatagg 180
 atagcttaat gaaagctgtc gatccacgta caaactcatt catagagatt actacttggg 240
 ttgaccatca atttcaattg gtgtaatcat gcaccctacg gtcatggcga gatga 295

<210> 22970
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C8

<400> 22970

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 ggtcggaatc gaagacgaat ctgaaggccg tgtccaagag catcaaggcg atgtgctcgc 180
 agacgggacta cacggacgcg tgcgagaaga gccttggcaa ggccgcgaac gccagctcgt 240
 cgtcgccccaa ggacatcatc cgcagcgccg tcgaggtgat cggcgactcg atcggccagg 300
 cgttcgaccg cgccgatctg atcctgagca acgaccact cgtgaagggc gccgtcggcg 360
 actgtaaaga agtgttcgcg gacgccaagg acgacctcaa cagcacgct 409

<210> 22971
 <211> 96
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C9

<400> 22971

ggcgcgctgg atataaataa gcactgtatt taaggtaaa cattccgcta tgttcgctgt 60
 cgataaagag tgctatttac gctgctggcg ttagtc 96

<210> 22972
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D10

<400> 22972

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ggcgatgcct gaggctagac aaatactgag ctagccttca gaaaaaaaaa agaaaagaaa 120
gagattgaga agcagggaga aaaaatggca ctggcccatt gaggaagctt gagaaccagt 180
taacaagaat tgccaacata ttcttggaca atcttgtaa cagagtttta aggtttccca 240
gcagagaaga gcgcgtgcaa ccaccacatt catataatta ataagcaagg tttagagaag 300
aggcaacatg ggcacaaaga tgaagaaggg gatcctgaag ccgttccgct atatctcaac 360
catcatggat ggtaaggagg ctgaaatgca aattgggttc ccgacggatg taaaacacgt 420
ggcacacatc ggttgggatg gtctctggc 448

<210> 22973

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D11

<400> 22973

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atacgattct tgtaaactct agcttcatcc aatctgttcc tctgatcta actagtctga 120
atagcaactg ttcgtttgct accaatatca acttcttttc agatgtcca tatattcctg 180
ctctctgtaa acaacaatt atcactgttc aatagatgcg gagatgtgga tataaaaatt 240
acaaaacaaa gaagaagacc aagaga 266

<210> 22974

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D12

<400> 22974

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ctgcccgcgc ctgcctccgc ggctccgccg gccgtcgacc gagcagccga gcagcggcgc 120

ggcggtgcc tgccgcgct cgcctccgcg gctccgctgg ccgtcgttcg ccgacccgaa 180
 cgccgagtcg cgcgagcgtg ccggcggtgcc ccgcctctcg tcggctcgcg actgcgccag 240
 cgcggtcgcg ccgccccacc ccccggtgac cggcgctccg atccatccgt ctggcaaccc 300
 aaccggccaa gggccaaccc cgccccgga ccccgactcc ccgagggcca accggccaag 360
 gcacaaccgc tgaaccgcac aatgcatatt tagtcgtcta ctcgcctagg cctattcttt 420
 ccctctcaaa ctcaaattct tc 442

<210> 22975
 <211> 482
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B8

<400> 22975

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 tgctatgtcg ccgatatggt tgatggtctt attaggctga tgaacggaaa caaactgga 180
 ccgattaact tggggaaccc aggtgaattc accatgctgg aacttgctga gaatgtgaag 240
 gagttgatta acccagatat aacagtgcg atgaccgaga acactcctga tgatccccgc 300
 cagaggaagc cggacatcac caaggcaaag gaagttctag ggtgggagcc caagatcgtc 360
 ctgaaggacg gcttggtgct catggaggat gatttccggg agcgcctggc cgtgccaag 420
 aaaaccaagg cctaaactgc cctgcggtgg gcgaagaata tccacggggg agcataactca 480
 ta 482

<210> 22976
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H9

<400> 22976

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gccccggcag agtcaccgaa ggaaggcagt gctgccaagg cacctgagtc tgccaagaga 180
 actgctgccc ccgctgaagc acccgaagcc gcatccaccc ccgtcgccgc cgctgccccca 240
 tcgcccgtcgt ctaggaagtc tgggtccagct accgcgccag ccaccgcctc tacaccccct 300
 tcttcacagg acgaggagtt gagcccttcc ccgccagcat ccaccgccgc ggcgtcccct 360
 gcggtgagg gaccggctgc tgatgactcc gccggtgctg ctgcccttgg aagtggagct 420
 gccatcgccg gcg 433

<210> 22977
 <211> 194
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A1

<400> 22977

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 ccgtggcaag gccttgetga tcaaggacgt aaccgtaact gctccccgggt caagccccaa 120
 cacggatggc atccacatgg gcgactcacc cgtgatcacg atcaccatca ccgtcattga 180
 cgtctgtgac tact 194

<210> 22978
 <211> 303
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A11

<400> 22978

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 gacctggaca ccgaggtgga agaaggaagc agtcagcaga tggatccatg gatcatccac 120
 caaccttctc tgagccttga cctgcgcgtc agcctgtcga caatcagcct gcaccaccag 180
 gcgcctgttg ccgtgcctt gccagtcctc aagctgctcg tcgaggagaa cttcctactg 240
 ccgcctccaa agaaagaacc agaggctcgc gctctcgaga cggagctgca acggatggctc 300
 cag 303

<210> 22979

<211> 492
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-A4

<400> 22979

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 tggatggatg gcagcagcat cagtactgtc gagttccctg atgggctacc tccagctcct 120
 tcgagaagca agaaggacaa gctttctgaa gaggaaatgc ttgcgaagaa ggccgaagct 180
 gctcagaggc gcatgatgca agtggaaaag gccactaaag aaagtgaggc ggaagctata 240
 agggaaatat tgggcatcga ctctgagaag aagaaagaag agaggaagca gaaggagcga 300
 ggagagaagg agcgagctag cagagcacia aacatggcgg caaactcgat ccgctggggtc 360
 atggggccca ccggaacagt tatttcgttt ccacacgcag tagtgcttcc cagcatcttc 420
 gactccaagc cacacagcta tectnctnca cgggagaaat gcgctggggc atcgtgcacg 480
 aacgattaca ag 492

<210> 22980
 <211> 87
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A5

<400> 22980

acgcgtccgc ccacgcgttc gcgccaagtg tgcggtgaaa ttgtaattat ttgcaatgaa 60
 tagaatgtta tatctatacc taataat 87

<210> 22981
 <211> 366
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-A7

<400> 22981

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ggaggactct ggttctcttc tgttcaacct tattggaaat ttggcattcc cgcttatcct 120
 tatcggtggt ctgtttttac tttcaagaag ggcacagggt ggcctcggtg gacccaatgg 180
 tcctggcttt ccccttggtt ttggtcaatc tagggccaag tttcagatgg aacccaacac 240
 tgggtgttaca tttgatgatg ttgctggtgt cgatgaagcg aagcangact tcatggaagt 300
 ggttgagttc ttgaagaaac ccgaaagggt cactgctgtt ggtgctcgca ttcctaaggg 360
 tgcct 366

<210> 22982
 <211> 94
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A9

<400> 22982

actaggcgca ccggtgctgg gaggacatgt tttacgccat cagcggcgct aagcacgtca 60
 tgtgcatcac aggttggtcg gtgtgcaccg agat 94

<210> 22983
 <211> 245
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B1

<400> 22983

tcggacgaga ctggagtggc ctgaagacgg aggtctacta tgaatgcata ctgatcctgt 60
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 tgacaacggc tagtatatct gtcggtctga aagcgtggcg taagacacgc atgccagtgt 180
 tgttggtctg atactgtgga ccacatgggg ctcaggcatc cgttggcaaa gttggcagag 240
 tgcga 245

<210> 22984
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B10

<400> 22984

tccacgcgtc cgggccactg ctacattctc atccgtcgcc aatcccttcc cgtgctccta 60

tcgggctgaa tgagaagaag agatggccgg cagggccaat ggccgggcta tctgcatcga 120

tctgggcacg acgtactctt gcgtcggcgt gtggcagcac gaccgggtcc agatcattgt 180

caacgaccag ggtaaccgta ccacgcccta gtacgtcgcc ttcaccgact ccgagcgcct 240

catcggagat ggggccaaga accaggtcgc catgaacccc atcaacaccg tctttgatgc 300

caagcgtctc atcggcagga ggttcagtga tgcgtctgta cagagtgata tcaagcttgg 360

gcccttcagg tcatttctgg gcctggtgag a 391

<210> 22985

<211> 299

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B11

<400> 22985

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atcctgctcg caacggcgat gctggctgcg ctgtttgcgg ttggtttgtg caccaccccg 120

ctcaccttgc acgttggcaa gggatccaag cctggccacc tgatcctgac ccgcaatggt 180

gcaaccatat ccgatgtgga aatcacagag cacggtggcg atgacttctg ctttacgctc 240

aaggagggac cgaccggcac ctggacgctc gacaccaagg cctcgctcaa gtacccct 299

<210> 22986

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B12

<400> 22986

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gctcttcgaa gccccagatc gcgacgcagg cggagatggc ggaggcccggt gtgccgctcg 180

cctaccgga ccagtgcgcg cacctectca tcccgctcaa caagtgccgc gtcgccgagt 240

tctacctccc ctggaagtgc gagcccgagc gccacgccta cgagaagtgc cagtacgagc 300
 tcgtcatgga gcggatgctc cagatgcaga agatccgcga ggcgaggag accaagggtca 360
 agggcggcgc cttcattggc ctcaccccg ccaccgtcaa gctcgctga tacgggtccc 420
 agcccgatcc gcttgat 437

<210> 22987
 <211> 245
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B2

<400> 22987

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 gtttgcctat tctccttgct cttgggtcagt tgcccgatag tttataaaat ggaatacgtt 180
 tacgtggaca gactgctttg tttgtggtat acggttatga tttctataat atttctttct 240
 gccag 245

<210> 22988
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-B3

<400> 22988

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 ggtggccacg atgacgacta ataagcccct tctcctctc gccctggcgt ccgcgctcct 120
 tggtgcggcg ccggccgtcg cgaacgcgcc cggcggggcy ttcagcaact ggggtggcgat 180
 gaaccagcag agctacgcgc tgtacgcgca gaagtccgtc ggggacgggg gcaaggagcc 240
 cctggacaag aagctgtcgg aggcggagaa gaagaaggtc acgtacgtgg tggaccccag 300
 cggcaagggc gactacacca acatcacgc ggcgctggag gatatccccg tgagcaaacac 360
 caagcgcggtg atcctggacc tcaagcccgg cgctcagttc cgcgagaagc t 411

<210> 22989

<211> 469
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-B4

 <400> 22989

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 gacggccctc aagaagttct ttgagtatgt tttgcaagca tttctgaaac acattgattt 120
 tgaagttgtc cagtgtactg taattgcaag cccagggttt acgaaggacc agttccgcga 180
 ttatttgttt cttgaagctg cacggcgaga tttaagagta ataattgaga acaagcaacg 240
 ccttgttctg ggcgatgcaa catcagggtta caagcatagt ttaaaggaag ttttggatac 300
 accaggtgtg atggcactga taaaagatac aaaagcagca catgagggtcc gagctctgca 360
 ggatttcttc aatatgctta ctaatgagtc agctcgtgct tgttatggac cgaagcatgt 420
 tgagtttgca ctgcaacagt ttgctatcca gactctttta ataactgat 469

<210> 22990
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-027-Q1-K1-B6

<400> 22990

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 tactggaagt ggaatgctag cgacatgtac tttgttgatg ctactggtgc ttgctattac 120
 gaccaacgtg tactccctgc attatgatat gacatggtca tcaaagatg cctaagctgc 180
 caaatgaaga agcgatctac aattcaatag aagcggggat ttataacgaa cgacactcag 240
 atcagatggc attgctaccc tataaagcgc atcgaacata tctggaacta caattattgc 300
 acaatcgngg actgaatgta agactgtacg atcctatcag agcaccacgc tctcactgag 360
 agtcctacat agacaactgc tttgcgagtt atgatctgga acgactcatc actaaccaag 420
 ctggtctcga atgtcagcca atcgatact 449

<210> 22991
 <211> 367

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-B7

 <400> 22991

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 accgccgccc gtcgcctcca gatacgtgcc tccggcgga aatcgggtatc gagctcgctt 120
 tgttcgaatc ttctgtatag ccagcaagga ggcctctcca tctcctccgg gaagctattg 180
 tgcaggctgt gcagcaatgg agaagtataa cagcaagact cagttagcac ctttgagaga 240
 taccatcatc gctctccgtg gtgctcttgg tagttcaagc tcataccttg agcaagccag 300
 gggctacacg tcttccccctc tagcagctct gcgaccaaag atgtcttcta ctactggaaa 360
 tcgactc 367

<210> 22992
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-H8

 <400> 22992

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 ggccgagaag gacttgcagc cttggattgc tagagatgac gaacaaggctc agaagatgtg 120
 gagagtcaac cagcgtatag tgaagcttat agctgagctt atgaggaacc atgacagccc 180
 tgaagcgctg gtgatactcg ctagtgcctc cgaccttcta cttcgtgcta ccgatggaat 240
 gctcgtcgat ggtgaagctt gtactttgcc acagcttgaa cttctggaag tgaccgattc 300
 ggctggtcac cttatcatcg aatgtggaga attacggtta tcacttgcag atgggctttc 360
 aaatctggtt aaaggcatgc cc 382

<210> 22993
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-G4

 <400> 22993

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 atcaagccac cagcgaggac ggccgacgac cagaggcaga cctgcatgca ttcgcccggct 180
 cgccatgtaa gaaacagggg agttgaaagt gcgacacacc agagaacgtg tctgtgtata 240
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 ctctgttgtc cactatgtta tccaagtata tatttgttct tcacttgtgt tgagcacctg 360
 ttgtgtcact ggacatggac aaacagttta gcctgcggac agtccgtctt tagacacaga 420
 ctgtccacga ttagatcata ccata 445

<210> 22994
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-G5
 <400> 22994

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 ttcattgagta ttgttaaaga agctggggta caggtcttg ttgtaccaga tgttcctttg 180
 gaagagacag atgtcttgag gagtgaggct gccaaaaaca acctagagct ggtgctattg 240
 acaacaccga ctacacaaaa tgaaagaatg gagaaaattg cacaggcttc agaaggattt 300
 atttatcttg taagcactgt tggagttact ggtacacgtg caaatgtaag cggcaagggtg 360
 caatctcttc ttcaggatat caagaagggt acagaaaaac ccgtggctgt tggcttttgg 420
 gtgtcgactc cagagcatgt ccggca 446

<210> 22995
 <211> 351
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-G6
 <400> 22995

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gcggaaca ccatggcgag ctcgaggacc atcgtggcgc tctcgtgct cctactcgtg 180
cttctcctgg tgactttcgc ggccaccgtc gacgcccacg ttgttcgcga gctgctatgc 240
caggaccaat tccagcagac atgctaccag gtgcacttca agaagatgtg ccagatcttg 300
acgaggctaa cgagggtgac aacgccgctc gaactgatgc tagcgtcgat g 351

<210> 22996
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G7

<400> 22996

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tgctgctgc cggcgacccc tatccgcga cccgtccgtc ccaccacacc ccaccgccgc 120
tcgcagctat gtcgccgtcg gagccgacgc gggaggagag cgtgtacatg gccaaagctgg 180
cagagcaggc ggagcggtag gaggagatgg tcgagttcat ggagcgcgtc gcgcgctccg 240
ccggcgggcg cggcgaggag gaggagctct ccgtggagga gcgcaacctg ctgtccgctc 300
cctacaagaa cgtcacgcgc gccgcaggc cctcgtggcg gatcatctcc tncatcgagc 360
agaaggagga gggccgcggg aacgaggcgc acgccgnctn catccgcgcc taccggttca 420
gatcgagacc gagc 434

<210> 22997
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-G8

<400> 22997

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ttcctggtaa gaaagagaaa cccgttgtcc ccattgacgg tcgctgctcc actgtgttcc 120

ttccatttct cgccggaatt agagcttaac cgtggaacaa catgccgccg tttgggagag 180
gcctctgcgc actccaagct ctactccggg gatgacagcc tcgtcatgct cgtcatcgac 240
acaaaccact tcttctgggc tgccaaggcg ctccccttca ccgactcctt cgcgcgctcg 300
aactcccttc tgctgttgga ccacgtcaac cgtgtgggta tctcgtggcg ggagtcaact 360
ccggtggtgt ggccatcttg gac 383

<210> 22998
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G9

<400> 22998

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ccggggccag ggcgtcgccc tcctcagcgt tgtgacagcg acctcaacat ccggcagcac 120
cgcacctgca gcgaggtggc cggcggcacc gcggcgggct gtgcggccgt gtgctgctgc 180
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tgccgcaagg cggcccgcgt gagcaagggc gggcgggcgc gctccgcctc cgtggggcag 300
gccacggaga tctacgagct cccggtggac aacgccggcg tcgtcgtcaa ggtggacgcc 360
agcgccgctc aggcggtggc gctggcggtg aagccc 396

<210> 22999
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H1

<400> 22999

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ccaacaagtt caagaagttt gtggtccaca acgtttctga gctggagttg ctcatgatgc 120
acaacaggac ctactgcgt gaaattgctc acaacgtgct cactaagaag cgcaaggaga 180
tcgtggagcg tgctgcgcag ctgcacattg tggtcacgaa caagcttgct aggctccgca 240
gccaggagga cgagtagtct ggtttcttct cttacgacg aactggatgt tgccattcct 300

<210> 23002.
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H12

<400> 23002

gtcgttgtga gaattcttaa ttcattgagtt gtagggaggg acttatgtca ccacaaacag 60
 aaactaaagc aagtgttgga tttaaagctg gtgttaagga ttataaattg acttactaca 120
 ccccgagta cgaaaccaag gatactgata tcttggcagc attccgagta actcctcagc 180
 tcgggggtcc gcctgaagaa gcaggagctg cagtagctgc ggaatcttct actggtacat 240
 ggacaactgt ttggactgat ggacttacca gtcttgatcg ttacaaagga cgatgctatc 300
 acatcgagcc cgttcctggg gaccagatc aatatactg ttatgtagct tatccattag 360
 acctatttga agagggttct gttactaaca tgtttacttc cattgtgggt aacgtatttg 420
 gtttcaaagc cttacgcgct ctacgttt 448

<210> 23003
 <211> 506
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H2

<400> 23003

cccacgccgt ccgcggacgc cgtgggcgga cgtgtgggtt cagagtcaac acagtctgag 60
 cacggacgac tgggagtccc tcgactaata agcatcatag gatcgtgggc gcacgttcct 120
 tgcggtgct tgctgtacag cgggtcgctg cgggcgcccc gaagggtcca gaccggcgcc 180
 caactatcac caccaactac aactggcaaa gtcggctcat ccgcacaggg cactctggt 240
 accggtcagg cccaactggt tgccggctgc tactgacga acggccggtg tcgtgccggg 300
 atcaatgaga cgtgacacct gccacgcta cagtcggcat gacgtgcgtg cggcaaccgt 360
 ccccatcttc aaggacggca agggctgtgg ctcatgtac gaggtgagat gcaaggaaaa 420
 acctgagtgc tcgggcaatc ctgtcacggt gttcatcaca gacatgaact acgagcctat 480
 cgtgcctac cacttcgact tgagcg 506

<210> 23004
<211> 104
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H3

<400> 23004

ctcacagtgc caactgaagc ttggcctgtg ggcttactag ctaggccttt aaagtctaca 60

cttgagtcct tgcattaatc cactcgggtt acgccaatgg aagc 104

<210> 23005
<211> 462
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-H4

<400> 23005

cccacgcgtc cgcccacgcg tccgcccacg cgtccgccc cgcgtccgcc cacgcgtccg 60

caggccgaga aggacttgca gccttggatt gctagagatg acgaacaagg tcagaagatg 120

tggagagtca accagcgtat agtgaagctt atagctgagc ttatgaggaa ccatgacagc 180

cctgaagcgt tgggtgatact cgctagtgcc tccgaccttc tacttcgtgc taccgatgga 240

atgctcgtcg atggtgaagc ttgtactttg ccacagcttg agcttctgga agtgaccgct 300

cgggctgtcc atcttatcat cgaatgggga gattcaggtt tatcagttgc agatgggtctt 360

tcaaactctgc tgaaggcatg ccccgctcttc atctgccttc gttctcactc attcaaacgc 420

cacccatgca tnettcgtaa ctcaacaggt taactgaata tt 462

<210> 23006
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-H5

<400> 23006

gagcagcatt tcgagtaaca cagttgagca cgacgatggg atccctcgct aataacatca 60

tggtcgtggg cgccgtcctt gcggcgcttg tcgtcggcgg gtcgtgcggg cccccgaagg 120

tgccgcccgg	ccccaacatc	accaccaact	acaacggcaa	gtggctcacc	gccagggcca	180
cctggtacgg	tcagcccaac	ggtgccggcg	ctctgacaa	cggcggtgcy	tgcgggatca	240
agaacgtgaa	cctgccaccc	tacagcggca	tgacggcgty	cggcaacgtc	cccattctca	300
aggacggcaa	gggctgtggc	tcattgctacg	aggtgagaty	caaggaaaaa	cctgagtgtc	360
cgggcaatcc	tgtcacggty	ttcatcacag	acatgaacta	cgagccta		408

<211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-G3

 <400> 23009

 gccacgcgtc cgccccacgcg tccgcccacg cgttcgctcc agcagagttgt atccattgca 60
 cccctcgccg cgccccggca ccgagccgga cggcggacgc cctggacctc atgtgcttct 120
 cctgctcagc taattggagc aacggccatt atctgcttcg tcgcgcacgc atgtttctcat 180
 attccacgcg cccccgcggg tcgtaaccac cgggcaacca ccggccggct cactcagtac 240
 gccgccgccc accaccagct cagcttcagc cgtgcgacgc ttgtaccccg ccccgctttc 300
 agccgagccc ctttccccctt atatcaacca accccaccac tctctactct ctgtacccaa 360
 tcgccactac gcgactgcta gctactcgat cg 392

<210> 23010
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E9

 <400> 23010

 cccacgcgtc cgccccacgcg tccggccagc cagccatcgt cacactgggtg agctctgcag 60
 tctgcactct gcttagctcc gagcttcagt gccttcgttg ttagctgtta gctccacagt 120
 ccacagttcc acacacacgt ccagctgcac tgcaccaatg gccgccgtcg aggtccaggt 180
 cccgactgcc gctcccgctg aggaggctgc tgctgctgct gcagcgggag tggaggctgc 240
 ccagctggcc gccgtcgaga ccccgaacga ggagaccgct gctccggcgg cggagaccga 300
 ggtcgtcgcc gctaaggagc cgggtgctggc cgaggccgag actgagtcca aggaagtcga 360
 ggtcgaggcc gatgccgtag c 381

<210> 23011
 <211> 354
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-F1

<400> 23011

cgcagaccgc gtcgagaaga tgctcgccgt gctcgacacc aacatgctct gagtgaaccc 60
tgactgtggt ctcaagacac gcaagtacac agacgtcaag ccctgcctga ccaacatggt 120
ctctgtcacc aagctcatgc gcacccaact tgacagctcg aaatgaggta cctagatagc 180
tccatggtct gatagctcag aatgaaccag atgttttgac ataatttggg tgataccgc 240
taggccatgg aggaagtgat acgttagcct ctcatgtgtg ggatacacca ttacaaagat 300
gcgttctaag aacggagtga gagcttttct ttgcgctatg aatctggggg tatg 354

<210> 23012

<211> 431

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-F11

<400> 23012

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gggacagcgg ctgctggacg tgcagacgtc gatcgcgctc gggcgcccg accagcgcgc 120
ggccaggatc gggggcgccc cggggcaggt ggacgtcagg gcgctggtgg ccgtggcgct 180
ggaggcggcc tcggaagccg gcgcgctgc ggtgtccatc ttcgagggca agctccccgg 240
gttcaacacc ggcgtgcccg acttgcgcg ctgcctcggc aactgcaccg tcaccatgcg 300
cagcgccatg cagaagctcc acggcgccac cgtcgcgctg cactcgggcg acacgcaggt 360
ggccaggacg ctgcgatgc gctctgccgn cgacgtctcg tncgtgcaccg tcagctgcag 420
ggagctcaac g 431

<210> 23013

<211> 147

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F2

<400> 23013

cccacgcgtc cggccacgcg tccggctgta acacgagtgt atagttcaac gtttctccct 60
tcaaaacact gtccatagcc agctgcatag tacatttgta agtttttagaa tacagatcaa 120

atgattcaat tcgcttctta tttgctc

147

<210> 23014
<211> 151
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F3

<400> 23014

cgcacgcgtg ggcggacgca tggtcggact cgtgtgctga cgcgtgggct gaatttgagg 60
gtattacacc gtcaacatcc gcagggtgctc atagctgatt ctacacttat ctccattctg 120
tcttcgtcca ccacactaat gctcaccccc a 151

<210> 23015
<211> 469
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F4

<400> 23015

cccacgcgtc cgaccacgcg tccgcttgcg cgtccgttga gagatagcaa gcaactgcgt 60
gccttttagga gacgcgacgt cgttcgtcat caagatcagc gagtccttgc tgagcgtgac 120
ccttgtgagc ctgctgctat gtcgcctatg cagcaccgcc gttgcccact ataaagacat 180
gcacgttctc ggcattgtag actgctgcag cgacgcgtgc aaccccgagt ccgattgccg 240
cgtcgactag cggacatcat gctggctgat acggaatctg atgcgccggc gccgtcgccg 300
gcgccggtga cgtaatcctg ttgaacgtgc aagctttcgt acagactatc acggtgggtca 360
agaccgctaa ccagttaacg tctcgaaagt gactgcgcct actactgctc ttgccatatt 420
gatatataga tgctcatagt gagcttaagc ctatgacgtt catgctatt 469

<210> 23016
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F5

<400> 23016

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 ggctctgctg atgctgacat gtgggtacct tggaattatc ctactctgat tgaagatggg 120
 catcttctca tactgcctat tatgcaaatt actgactgat acttcccttt attctgggaa 180
 acaagctata gctgatgatg cttctgatcc tttggtctac ctctgccctg accttcatgc 240
 atatgctacc gagatcgatt aacacatcat aacaatactc cctgataaca aggctgatct 300
 ggtgccgctg aatatcaagc agagatcgac tgattattct aaggcccatg acattctcta 360
 tttgttc 367

<210> 23017
 <211> 445
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-F6

<400> 23017

tgtcgtccgc ccacgcccgt ccgcgcccga tcaggctgcg ctctcagtgt cgagcantcg 60
 acagggcgtc gggagcaggc ggctggcgag tgaccgagga ggttcgtgag cgaggatccc 120
 aggagcctcg cgagcggggtc agcagcccgg gcgtgcggcg gctgcgggtg ggccggcgag 180
 gcgtggagct ggagctgcga ggcagcgctg ggctggccgc tgtctctgcn ggatggctca 240
 aacggaggaa gcagcacgca gcagcagctt ggagcatggg gcggtggaac gaggcggctg 300
 atcgactgcg ccggcgagtc ccgcgcgcgc gcggtgggcc gtgccttctc ctcgatggtg 360
 ctcatcatcc gggagctcca gagcttcacg ctgcanatgc gggaggcggt cgtctacgag 420
 gacctgcaga gcgttctggc gcgcg 445

<210> 23018
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-F8

<400> 23018

cggacgcgtg ggcgatcacg acaagatggc gtgcacaaac aatgcgatga gagccttgtt 60

tctgtgataa tcgtgctgag aagagaggag agttttacac aaaattagaa gaaaagcgca 240
aggcttttga agaggagaaa ctccaagcag aggccagaaa gcaggaagag gaagaagaag 300
ctctaagaca actgaggaag aacttggtcg tccgagcgaa acccgtgccg agcttctacc 360
aagaaccccc accaaagggtt gaact 385

<210> 23021
<211> 261
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G10

<400> 23021

ccacgcgttc gcccacgcgt ccgcccactc gtccgtcttg atgacgatga tgactccagg 60
ggaagcgaaa gatcgacaaa ggtggcatct gaggcagcag atataggaag atcagccttg 120
tttccagctt ctgctttatc aaacactttc gggttcaaga ttcaggacag gctactgaac 180
aatgcacaga tttaactgtg aaatgagcat cttgacagac ctgataacta gcattctata 240
gaggggtcggc gacgacattg a 261

<210> 23022
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-G11

<400> 23022

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acttcagttg accctgcctt agccacatgg ctgcagcccc atcgaattct gtttctggcg 120
tgatggctgt tcatgttcac cgacaccgta tcaagggtccg ctatgtccaa actatcatgt 180
gtgcaatgtc aactggaaga gagcactgtg caatctcgac tggcattagc ggtgatcaat 240
ccaagggcgt ttgcggtgga tcatcataca aagttatttg agcttacaac gccggttcgg 300
atacatccgt tatcgttcca tggctcaggg agatctattg ctgtaaagtc ttctgtttca 360
ctgctgaagc tggcagaggt gccattg 387

<210> 23023
 <211> 458
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-G12

<400> 23023

eggcgangcg tncgcggacg cgtgggcagg cctcaagttc accatcactg tctggaaaac 60
 tggagtcaaa gtggagaccc agaagatgat gctggggacg ttcagccccc agctagagcc 120
 ctatgtctac gagggcgaag aatagaccac ccctgctggc atttgtgcga gaggatctta 180
 ttctgccaaa ctaaagtgtg ctgatgatga tggcaagtgc ttcttgagga tgagttacta 240
 ctttgagatt agataggagt ggccaggatc tcaatgatgt gtggaccagc atggctgact 300
 cgtcagagta tgtagagct catagctgag ccaagcacia gatgtggact catcttcgag 360
 aatgatttcc attcgatact tcgtcttgga tcgcattaca atttgctttg aatcgtcatt 420
 gtacagtcgt catgacataa aactggttat tcatcaca 458

<210> 23024
 <211> 391
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-G2

<400> 23024

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 cgcctccgcc ccggcaaaaa gcaaaacacg gccatggaag gctacgaccg cgagttctac 120
 cagttcagcg accagctgcg cctgcagacg gccgccttct cgggcctcta cctcggcgac 180
 tccatctggt ccccgccggg ccggcgcaac aacagcaacg acgtactctt cgccgnctac 240
 gcgtcgcccc ccgacgccgn cgacaagagc aacgccgtcg tcgggctcaa gctcaacgac 300
 ggagggcccc gcctcatcgg ctccgggaag ctggccttcg gcggcgccgg aggcggaggg 360
 accaacaagg ccgaccgcta caacaacaac a 391

<210> 23025
 <211> 421

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-E7

<400> 23025

gtgatccttg aacaaaattg ttcccttgac atgtcccaga tgatgagatg agtgtagcca 60
 tagtttatct ctaacttctt gctaagaaac tgacagaaag tacttttttt ttcccttcttt 120
 cgatcttcgt aagggattga agctgcactg ctgcaggaca gcagaaggct tctggtgcaa 180
 aatttgcaac ctccctctcg ttggagtgcc tgttcgctc gctttaatct gtttctacaa 240
 tgtttttggt ttcattgtatt gtagctgtaa cagtctaagt agccgcgatg gcaatcgtgg 300
 gaagcaattg aacgaattgg tggtgttact gtcgtttcgg aactgaaaag accatctntc 360
 tttgcttgct ttgccccgaa aggaggaatt ttgcattaat aattaaatac attcttgagt 420
 g 421

<210> 23026
 <211> 475
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D2

<400> 23026

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 ccagcttgct cgccgcgccc gtccttcttc ctgcctcctg ttccgttccg ttccgtccccg 120
 cccgccgccc cgccgcatt cagggatgga gatgaagaag atcgccctgcg ccgtcctcgt 180
 cgccgcctcg gcggccaccg tggcgctcgc cgcgagggt ccggtccgg gccccaccag 240
 cggctcctcc gccgtcgcgc ccgcgctcgg cgccgcctc ggggccgccc tcgcctcctt 300
 cttcgcttac tacattcagt gagccggccg cggccggtcg cccggaggcc gaagaagaga 360
 cgaagcggga gagagagtga catggctgcg cgcattccga tgcgtgggca tgtttttgat 420
 tcgacacacc ttttgcctc tttttctttg ttccctcttt ctgcttaatt taacg 475

<210> 23027
 <211> 212
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D3
 <400> 23027
 atgaaaatta atgcgtccaa tgattcatat ctctatatgc atatctctct gctctgcctt 60
 gttggctggc tcttctcatc attccctagc agatcgcata gtattagttg catgcattat 120
 attgatgatg caggtatttc gtcgagcaac aaggcgact atcaattgtt tttgtaatac 180
 ccaaaattag tgaataaagg gaaactgggt at 212

<210> 23028
 <211> 471
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-D4
 <400> 23028

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 gcggccagtgc gcgggaccgt gggcgacacc gtgcaggacg cgtgcagcaa gaccagttc 180
 cccaagatct gcgtggacag cctcgccgcc aagccggaga gccagaaggc gacgccgcgc 240
 aagctggcgg agctgttcgt gaacatcgcg gccgagaagg gatccgggat ggccaccttc 300
 gtgcaccgca agtacagcga caaggaggac agcgacatat tcaagtgcta cgacagctgc 360
 tccgacgacg tggaggaggc cgtcgcccac ctcaacggcc tcgtccggga gccaccgac 420
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<210> 23029
 <211> 397
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-D5
 <400> 23029

cgcagcgtcc aatccccgcg cgtcttcacg ccgcgccacg ccgtccgggc catgggccac 60

caatggcgac cccacccgcc accgcactca cctgctcctg ccgcccttcg tcgccctcct 120
catcatccgc cgccttcgc cggtgaaca tcttcgcccc cgtctcgggc gccattctc 180
ctcctcgacg ccgcctccgt ctgcgccat tgcacgtcgt cgacgactcc aaggaccccc 240
ccgaggagag gtctgagacg gataagatgg tcgacggcat ggacttcggg gagctctgca 300
gcgacttcga gtgcataagc agcncctacg tggagtcgac ggcgaggcag gtcgcgcggg 360
acatnctgga gctccgcgag gacaaccgcg cattcaa 397

<210> 23030
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D6

<400> 23030

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tacggtcgct aataagcagc cgcattccagg gatggagatg aagaagatcg cctgcgcgct 120
cctcatcgcc gcctcggcca ccgtggcgct ggccgcggag gcgccggctc cgtctccac 180
cagcggctcc tcgcgggtcg caccgcctat cgtcggggcc gccgtggcct ccttcttcgc 240
gtactacatt cactgagccg ccggacgagg agccggagcc ggagggaaga gaccaaggtg 300
gggggagaga cttggctgcg ctgcgctgct ctgctgctcc cgcgcattcc cgatgcgtgg 360
gcgtgctctg attgggcacg gcggtggcag tggcacacct tc 402

<210> 23031
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D7

<400> 23031

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tatatggtgg attggcatct cttatcttct gtggctatat catctatgac acagacaata 120
tcatcaagcg ccacacatac gatcaataca tatgggcagc tgtttcactc tacctcgacg 180
tcatcaactt gttcctgtct ctgctgcagc tgctgagggc agccgatagc tgagctcatt 240

aatggagtgt ttggtttgag aaatgatata gtccatcatc ttctcactcc tcactttttt 300
 gtttggtttg tggaatggag tgagttaatc caccaccacc tcatttetta taattagttg 360
 tttagtacta atatgtggaa taaagtcac cact 395

<210> 23032
 <211> 472
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D8
 <400> 23032

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 gcgagcaacc agcgatcgcc ccatggccgc catggctaga tccgtctccc tcgtcaaggc 120
 gccccttcta ctactctccc tctctgtctc cgccgcggcc agtgcgcgga ccgtagggcg 180
 caccgtgcat gacgcgtgca gcaagacca gttccccaag atctgcgtgg acagcctcgc 240
 cgtcaagccg gagagccaga aggcgacgcc gcgcaagctg gcggagctgt tcgtgaacat 300
 cgcgggccgac aagggatccg ggatggccac ctctgtgcac cgcaagtaca gcgacaagga 360
 ggacagcgac atattcaagt gctacgacag ctgtcccgac gacgtggagg aggccgtcgc 420
 ccacctcaac ggctctgtcc gggagcccac cgacgccaag ttcctcgagc tc 472

<210> 23033
 <211> 365
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D9
 <400> 23033

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 aaccaccatc cgctgtcgcc aaccgtagca agaaccatcac caccgcccag caataatggc 120
 gcagagcatg aggattgtgg cgctggccct ggtggccctg ctggtggtgg cgccggcgcc 180
 gcccgtggcc accgcgtacg gctgctacga cgactgctac gagcgctgcg ccaacggcaa 240
 gaaagacccc gcctgcacca agatgtgcaa ccaggcgtgc ggctccacgg atcaaggcgc 300
 cgggtgccgtc ggccgcccgc cggcttgatc gcccaacgca ttcctcgctt cagctcgata 360

taatc

365

<210> 23034
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E1

<400> 23034

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cagctcgagc agtacttcaa acagcacaag cggcgaatca tttaaaaata gaagagtacc 120
aaatcgcccc ggggataata acagtaatct gagctcaaat tctgatgttc ataaaccacg 180
gcgcaaaagg aggcataaga agaaaagaaa gctgcaggca tgatgaatat tcccaaagcg 240
cgtgaactgt ggggggccgg tggaaattca gattcccagc gaagtttgga ctttgagcat 300
ggccaatttg gagaagttga aaaaaaata gacacagcat gtgcgatgtg tctgagcaag 360
ttgattgatt ct 372

<210> 23035
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-E10

<400> 23035

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tggagggtgga ggcactgcag gccatcctca tggacgacat caaggagatc gacccgagtg 180
agagtgggat cgccaccacc gcccggtgct tccagatcct actctctcct caggatgatg 240
attttgatga gtcagcttat gtcccagttc aactggccct gatttttgcg cacactgaga 300
agtaccccga tgaaccttca ctactaaatg tgaaaagtgt acgaaggatt aaaccacatg 360
atcttgcatc cctgaaggaa aagcttgagc aagaggcaaa agagaatctt ggcatggcta 420
tggtctac 428

<210> 23036

<211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E11

 <400> 23036

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 ctggtgtccc tgatcggcta ctgcgacgag aaccaggaga tgatcctggt gtacgagtac 180
 atgcacaacg gcgtgttccg ggaccacatc tacggcagcg aggggaaggc gccgctgccg 240
 tggaagcagc ggctggagat ctgcatcggc gccgcccggg ggctgcacta cctgcacacg 300
 ggcacggcgc atgggatcat ccaccgcgac gtgaagacca ccaacatcct gctggacgac 360
 aacttcgtgg ccaaggtgtc ggacttcggg ctgtccaagg acgggcccgg gatgaaccag 420
 ctgcacgtga gcaccgccgt gaagggc 447

<210> 23037
 <211> 282
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-E12

 <400> 23037

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 acatccacaa ggggggaggg gaaaacacgt acattcaccg ggcggcaata atggcctcgg 120
 ttccggctcc ggcgacgacg accgccgtcg tcatectatg cctatgcgtc gtcctctcct 180
 gtgccgcggc tgacgaccgg aacctncccg actacgtcat ccagggccgc gtgtactgcg 240
 acacctgccg cgccgggttc gtgaccaacg tcaacgagta ca 282

<210> 23038
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-E2

 <400> 23038

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 gccacgcgtc cgcgagagag gaacgcgaac aaccaacgat cgcctcatcg ccatggctcg 120
 ctctgtcccc atcgccgtcg cgtcgcgcc tctgtcctg ctctctctcg tctccactgc 180
 gtccgctgca cggaccgtgg ggcacaccgt gcaggacgcg tgcagcaaga cacaattccc 240
 caagatctgc gtggacagcc tcgccgcaaa gccagagagc cagaaggcga ccccgcgccg 300
 gctggcggag ctgttcgtga acatcgcggc cgagaaggga tccgggatgg ccacgttcgt 360
 gcacgggaag tacaacaacg ccaaggacag caccgtgttc aagtgtacg acagctgctc 420
 ggacgacgt 429

<210> 23039
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-E4
 <400> 23039

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 gggtcacgag gggccccgaa ggtgccgccc ggtcccaaca tcaccaccaa ctacaacggc 180
 aagtggctca ccgccagggc cacctggtac ggtcagccca acggtgccgg cgctcctgac 240
 aacggcggtg cgtgcgggat caagaacgtg aacctgccac cctacagcgg catgacggcg 300
 tgtggcaacg tccccatctt caaggacggc aagggttgcg gctcatgcta tgaggtgaga 360
 tgcaaggaaa aacctgagtg ctcgggcaat ccagtcacgg tgtacatcac tgacatgaac 420
 tacgagccta tcgtcccta ccacttcgac ttgagcg 457

<210> 23040
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-E5
 <400> 23040

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gatgagttcc tcagcaactc aaacgagcag cttaacatgg atgacgttta catttcctat 120
 ctcccgcttg ctcatatatt tgaccgggtg attgaggagg tgttcattcg tcatgggtgct 180
 tcaattggat tttggcgtgg ggatgtcaaa ctcttggttg aagacattgg agaactcaaa 240
 ccaacagttt tttgtgctgt tccacgtgtt ctagacagaa tttatggagg attgcaagat 300
 aaaattacag ctgggtggtt .cctaaagaaa accttggttca atgttgctta caaatacaaa 360
 caaggcaata tgttg 375

<210> 23041
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-D12
 <400> 23041

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 ggcgagcgg accacggagg acaaagatct ccgctttgaa agggacgca catgaacaaa 180
 gacaaaggtc atgacacgga gactcacgga ccaaggaggc agataactgg gaatacacct 240
 gtggaaacgg tgaagggtcc caatctgctt gagcgagcaa aggaagagat cgaggccctt 300
 gccggagctg ttcatactaa gatggagcac cattccagtc cccacgcgaa gaaggatgaa 360
 tcacataagg aaggcaagga ggggagcctg cacaaaataa aagccacac ggatgaaact 420
 cacggaacaa gtgctgacat atatgagaac acac 454

<210> 23042
 <211> 262
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-E6
 <400> 23042

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 gacgggcgct aataagcagc cgctccagg gatggagatg aagaagatcg cctgcgcgct 120
 cctcatcgcc ggctcggcca ccgtggcgct ggccgcggag gcgccggcta cgaattacac 180

cagcgggtgc ttcaccgtca gagccagcat cgtcggggcc gccaggggct ctttctctgc 240
 ggactacagt gactgatccg gc 262

<210> 23043
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B8

<400> 23043

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 gcttcttggg gcacattttg ctcttgattt cattagtacg atggtgaatg gagggcacat 120
 tgtgattttt agatcagaat tgtggttcct tgggctgcct taatgtgttg atttcttttc 180
 tttatacgat gatagatata gaattgtcta attgcaggta caaggtgcta aagccatcat 240
 gtttaccagt ttgctacatg ttctctcaat ttggtagtaa ttttcagttt ggaacatgta 300
 atctgagtgt tagtcagttt gctacatgtt tctgaatttg tgtcaatctg agtttggacc 360
 atgttatcaa cttttgtcaa tttgccacct gtaagtggcg ctgca 405

<210> 23044
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B9

<400> 23044

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 cttgatgacc tgtttcacia agctcaattc atattaqaaa ggatactctg cattctcctc 180
 atctttaagt acggtgatcc atatttttat aaacattgtc ttggaaagct ggaagggtgct 240
 atacattatc catgtgttag gtgggcaagt catcttacgc caatgagaag cttacgttga 300
 agtcaatgcc ttggcacaac taatgacatg gaaaacaacg gtctaagtta acatgggctt 360
 cagattgcat tgctgggaaa gatggaatgg aattcaaatt ttggtggccg cacaagtgtg 420
 aagacttgaa ttcatatata tacttagtta g 451

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09/15/99

<210> 23045
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C1

<400> 23045

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cgcgctctcc ccgatccagc ttgttcgcag caacagccgc cgttttatgc cttctcaagc 120
tgatgaagaa attcatcagt tgtcctttct gcaaaagcat atggcgaata ttcttactct 180
cttggcagat tctgttgagg gtgaggggtga cgattcactg gtattgacaa tggagacttt 240
tgagcacctt ggattttctag ttcagttctc agaaggaact tctttaacca ggctgctaca 300
tttttgcaaa ctcagaccca gacatg 326

<210> 23046
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C10

<400> 23046

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tgtcatatgt gacatcgagc cacctgcatt gatccgagag aactgtgggt gcgcattatg 120
gttgacgcca cctgaataga tgtgtggcat gatggtcgat ggcagtcaat gattgactga 180
acctgagaaa ggttattggg ctacaatcta tgcagagcta gatgtactta tgcccaatgg 240
aatgaagtga atggcttcgt cgctagcacc ttgttggtgcaa atgtacgaag atgttgatca 300
tatacaccat ggcaaagtga acacgatacg gtaagtgttt atggcatgcc tggactaacc 360
tagtgctgat ccacctatag tgaagtagat gtgcaccgca tagcgtact gctttgctta 420
ttgactgcat tc 432

<210> 23047
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C12

<400> 23047

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tatctacaga aactatagtt gaggcagctg catgcttgct ggcaccggcc atccaaactt 120
tgacatggga gtacgtccac ccagtttcct ggtgacagtg agatttttgg ccatggcttc 180
catgatatgc tctagttttg ctgttaaact tcaactgatt gttctatggc agcaacaaga 240
gaacagcacc ttgtgattat tccggaggca catcaggggt cgttgacgag gatgcaatca 300
tcatatgggt gatagtggat agtgaatagt tggcgtcaca atttttgttc ccatagtcgt 360
cacgattagc catctgtcaa agtactctct ctcttcgttg aataaggcca tcaagaaggc 420
cggtcattta cttgtgtatt ctgtacttta t 451

<210> 23048

<211> 479

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-C2

<400> 23048

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tactcccaat tatactgtgt gtgctgctac tcatgcttgg agcccttgct tggacatgta 120
aaagcagagg caaacggcaa aagaagagag ttcaaaagag aaggatgcta gaatacttga 180
gttctactga tgacgctggg gacaagaaca taaacttccc atttattagc tttgaaaaca 240
ttgtcacagc aacagataat ttctctgaat ctaatttgct tgggaaagga ggttttggca 300
aagtgtacaa gggaatgttg gaaggcacia aggaagtagc tgtcaagaga cttagcacgg 360
gttccggcca aggcaaggag gagttcaaaa atgaagtagt cctaattgca aagttgcagc 420
acaagaacct agttaagctt ctcggttggt gtattcatga agatgagaag ctgntagtt 479

<210> 23049

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C3

<400> 23049

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cgtcttacta tccaacaccg cgccgggtccg gattaattcc ttctcgaccg gacagcgcaa 120
tgctgtgcct agatcgatcg gtgcgaaggc aagtgatgcc gctatatata tatatatata 180
tatatatcta tgtatgtata tgtatatagg agattcttgt agcgagctct taacgcgatg 240
ggtttaccgg tcctctacta ctgcatttgc attggcgggcg acgttgaatt ggcgacatgc 300
aaggtcagcg ttaggtacgt cgctacatgg gaaacccccca aggtcatttt g 351

<210> 23050

<211> 413

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-C4

<400> 23050

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tggctgcttt acacaattac acctatacaa cataaacatg actatgcaca ttctgatacc 120
tcaaaaccct acgtcagctg accatctgca aaacttcatt ccctaaccgg agatcaatta 180
ttgccccgt cccaattttg ggggaatata atgacacgaa agggaacaac ttgacagtac 240
tgtgaaccct ttgaacgccc ttcataacat caaggagcaa gtacaagaac ttttatgggt 300
ccctgactgg tagcagttaa catcgtangg ctatcactct tncagcagac agcactaatg 360
aaaatagacc aggatcatca tcggcatcat ccgggtcaga agatacaaat cta 413

<210> 23051

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-C5

<400> 23051

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aaggaaaaa aaaaaaaaaa gaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaat aaaaaagggg tggcgggtttt aaagtttcca agttaagttt cgggggccttg 180
 caatgcttaa gttttttttt ggggaaactt aatttaattc tatgggcgtg attttttaaaa 240
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 t 301

<210> 23052
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-C6

 <400> 23052

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 gacggcgccc ggggacagcc ccaacacgga tggcatccac atgggcgact catccgggat 120
 cacgatcacc aacaccgtca ttggcgctcg tgacgactgc atctccatcg gccccgggac 180
 ctccaagggtg aacatcaccg gcgtgacctg cggccctggc cacggcatca gcatcggcag 240
 cctagggcgg tacaaggacg agaaggacgt cacggacatc aacgtcaagg attgcactct 300
 taagaagacg atgttcggcg tccgcatcaa ggcgtacgaa gacgccgnct gcgtgctcac 360
 cgtctncaag atccactacg agaatatcaa gatggaggac tcagtcaacc ccaatttcat 420
 cgacatgaag t 431

<210> 23053
 <211> 400
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-026-Q1-K1-C7

 <400> 23053

acaacgagct ccgtgtggct cccgaggaac acccgtcct cctcactgag gcgccccctga 60
 acccaaaggc taaccgtgag aagatgacct agatcatggt cgagaccttc aacacccccg 120
 ctatgtacgt cgccatccag gccgtcctgt ctctgtatgc cagtggctgt accacaggta 180
 tcgtgctcga ctcgggagat ggtgtcagcc aactgtccc catctacgag ggatacgccc 240

<210> 23056
 <211> 276
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-026-Q1-K1-D1

<400> 23056

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 gtgcgcagtt agggttggga gatctcttgc ctcacgacac gagcagcaga atttgtcgag 120
 ggccgctggt tgctgcgaga gggccgggccc ttcgtgggat ctttgaaatt gaatgttcta 180
 atggagtcca aagggtggcaa gaagaagtct agcagtagtc gttccttcct gatgtacgaa 240
 agctcccttg gctacagcat cgaggatata cgcct 276

<210> 23057
 <211> 75
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D10

<400> 23057

ctccactcgt ccgcccacgc gtcctgtcac gcgtcagagg actcttgcc agacgcgtgt 60
 ggggtttcac acaac 75

<210> 23058
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-D11

<400> 23058

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 ggcgctcgct acaccgcaga agagctctc gtggctcggg aggagggcag ggctcgctcgt 180
 tgggtgggctt ggacacagac gggccgcttc tgccgcgaag gtggacgatc taagcagcag 240
 atccgcgggg gatctggtca tgggtgaacga aagcaagggc gtctttgggc tcacggacct 300

catgaaagcg gcgccgaag tgatcgggag cgggtgggctc gggtcggcat acaaggcggt 360
gatggccaac ggcgtggccg tcgtgggtcaa gctgctccgc gacatgaacc gggcg 415

<210> 23059
<211> 390
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B7

<400> 23059

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gtcggaggcg gagaagaaga aggtcacgta cgtgggtggac cccagcggca agggcgacta 120
caccaacatc accgcgggcg tggaggatat cccggtgagc aacaccaagc gcgtgatcct 180
ggacctcaag cccggcgctc agttccgcga gaagctgttc ctgaacatca gcaagccgtt 240
catcacgttc cggtcggacc ccaagaagcc cgccgtcgtg gtctggaacg acacggcggc 300
cacgaacggc aaggacggca agccggtggg cacggtgggg agcgccacgc tggcgggtgga 360
gtcggactac ttcacggcgt acggcgtcgt 390

<210> 23060
<211> 472
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-026-Q1-K1-A2

<400> 23060

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ataaacagaa tgggtgaagtt gttgctgtta agaaaatgaa gaaaaagtat tattcttttg 120
aggaatgtat gggtttgcgt gaagtaaagt ctttgcggcg catgaatcat cctaacattg 180
tgaagctcaa agaggttatc cgagaaaatg atatattata cttcataatg gaatacatgg 240
agtgtaatct ctaccaactt atgaaggata aggtcaagcc tttctcggag tctgaagtac 300
gcaactggtg ctttcagata tttcaggctc ttgcttacat gcatcagagg ggctactttc 360
atcgtgacct caaacctgag aatctgttag ttagcaaaga tgtcataaag ctagcagact 420

ttggtcttgc aagggaagtt tcattcattgc cgnatatac agaataatgtc tc

472

<210> 23061

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A3

<400> 23061

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ccgaggagaa ggcgtacgcg gcggagaagg tcgttcagca agagatgctc aagtacacca 120

aggagaaggg tctggtgtgc ccgaccaacg gcacggagtg gtacaagggc atcgaccggg 180

agttcgtgga cgtccacaac gagcttcgcg cgcgctacag cgtgccggcc atgaagtggg 240

acaaccagct ggcgcggcag gcgcggagct ggttcaacgc catgcgcaag gactgacaga 300

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tcaccga 367

<210> 23062

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A4

<400> 23062

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tcggaatgat cgtggtgacc ccggagttgt tcggtccggt aatcattccg aggccgcacg 120

ccatccccgac ggtgcaagtc tctaacgcgg cggggcagaa gatcaaggcc tacatccaca 180

aggcgcgggg cccgacggcg acgttcgtct tcaaaggggc agcgttcaac accccaaggt 240

cgccgatggt ggcgccctta tcctcgcggg gcccgaaacag gacgagccgt gggattctga 300

aacccgacat catcgccccc ggggtgaaca tcatcgacgg cgtgccctcg atcgaggacg 360

tggacctgct gcgcaacgcg gaggtgccca ggttcgacat caagtccggc acgtccat 418

<210> 23063

<211> 444

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-026-Q1-K1-A5

<400> 23063

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atcgaccttc acgccagtct cgggtctcttc cgaaggcgtc gcgcgcgggtt gtttgagagg 120

agaggaggaa gatgagggag tgcattctccg tccacatcgg gcaggccggc atccaagtgc 180

gcaacgcgtg ctgggaactt tactgcctcg agcacggcat ccagcctgat ggccaagtgc 240

ctggagataa gaccgcggga catcacgatg atgccttcag caccttcttc agccagactg 300

gtgctgggaa gcacgttccc cgtgcaatct tcgttgatct agaaccact gtgatcgatg 360

aggtgcgcac tggcacgtac cgnacgtctt ttcacctga gcagctcatt agtggcaagg 420

aggatgccgg ttacaatttc gccc 444

<210> 23064

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A6

<400> 23064

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ccggacggca gcgcgacgag gacccgattg ccgcttactg ctacaggacc cagcatcgcg 120

tgctacaccg ctgatcgagc gaaccccatg caccctgatc gctccgtccg atcgaccgcc 180

taggggttac gcgtaccact ggctccccgc gccttattgg aggcgggtccc agataacctca 240

aactcacttc gcagctggat ccgctcgact caacaccggc gaattcgaga agtggcatac 300

gctgcagagc tgctatgcgt acaagtagaa cca 333

<210> 23065

<211> 411

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 23065

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gaccagggttc atggcttgga cgagggtcta gcggcagtcg gcgtgctccg acgaagctgc 180

gcctgcagta ctgccggcca tcgaggagcc tcagagattg ctgaagaaag tgggtggccga 240

cggcatcagt gcttgagaga gctgtggcgg cgcgacggga gcagcacagg acatgagtgc 300

caccaagaac cacgtcatgt gagaccgaaa gcgacgagag aagctcaacg agatgctcct 360

cgtnngctaag tcaactgttc cgttcatgca cagggtgaac aaagcgtcga t 411

<210> 23066

<211> 436

<212> DNA

<213> Zea mays

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<400> 23066

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gtgccttgga tggtgattcc aaaacctctt ctattgaaga agcaacatca gcaaaggcat 120

caaggtcacc agtacgcaat gcttcagggc gttgatgaat cagtgggagc agagctgggg 180

gaacatcatg aggaagcaca tgaccatgag gagtttgagt tcagcgaagt ttttgttcac 240

cagctgattc acacgatcga atttgttctt ggtgcagtct caaacacagc ttcgtacctt 300

cggctttggg ctctgagtct tgcacactcc gagttgtcca ctgtattcta cgataaagta 360

ctactgatgg catggggggt taacaatgtc atcatcctta ttattggcat catcgtcttc 420

atatttgcca cggttg 436

<210> 23067

<211> 228

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A9

<400> 23067

cttaaaaagg catatggaaa tgccatgcat atggttcttc atgtaggccc tgatagttgt 60

acagtagttt ctaatttgtt gaaagaagga aaggttgaag cttggggagt ggagccttat 120
gatttgaag atactgacag tacttgcaaa agcctcgtgc tcatggtctt tgtccgtatg 180
tctgatatta agttgctcct tccgtaccgt gcagattctt ttaatctt 228

<210> 23068
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B11

<400> 23068

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cgtgtggctc gcgcaccggg cgttcccgag ccagagctgg atcctgctcg tcaacatgcc 180
cgtgctcatc ggctccaccg gcatgatgcc gccggccacc gccgtcaact acaccacgtg 240
gatcattgcc gggttcctgt cggggtacgt ggtctacagg taccggcgtc actggtggga 300
gcgccacaac tacctgctct ctggcgcgct cgacgctggc ctggcggttca tggccgtgct 360
catctacctg tgcttgggct tggagaacgt cggcctcaac tgggtggggca atgatctgga 420
cgggtgccc 429

<210> 23069
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B12

<400> 23069

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cgccgcctag aaccggagct cccaatcgat ccaactggccg ttgagccgac acttcaatgg 120
aagcccacgc ctgcgggggc cgccgcaccc tggaggagat tcggcagaag agagccgcgg 180
agaggatgca acacgccgtc ccgatcgcg cgtctcacgt cgactctcac gggaacaaaa 240
gagctggagc tgagcatctt gctcgagttc aagaacttga aaatggcaac acggaattgg 300
agagggaaaa caaaatgctc ttgtccaaga tcgctgagaa ggaagttgag aaggacgccc 360

ttgtaaaccg tttgaatgat ctcgagcgga atgtagtgcc ctctttgaaa aaaagcttga 420
atgacattta tttggagaaa gatgctgctg tag 453

<210> 23070
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B2

<400> 23070

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gggcggggcgg cggcgctccg cctccgtggg gcaggccacg gagatctacg agctcccggg 120
ggacaacgcc ggcgtcgtcg tcaaggtgga cgccagcgcc gtcgaggcgg tggcgctgcc 180
ggtgaagccc gccttgcagc tggaggagac gggggagctt gagaaggagg tgtgggccag 240
gttctacggc acgggcttct ggaggagcgt gtctcagctc gacgacgacg acaggtgacc 300
ggaacaatca ggcccgtgag tgagcgagcg atcgaccagc tcctccggcg atgcttaagc 360
aatagcatgc gtttccttgg ttgggtttcc ttcgttgttt tccgcggaaa taagagaaga 420
tcgaggaaaa ggaaatgtga tgcattggtc tcgatcgact atacgagttt ct 472

<210> 23071
<211> 466
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B3

<400> 23071

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agcagatgtg tgaagggtcg aaacacatgc acagctttga tcctccatac gtcataatg 180
atgttaagcc tggtaatgtt cttataacct ggcgtaaagg acaagcacct gttgcaactt 240
taatggattt tggaagtgca aggcctgcaa gaaagggaaa tccgtctcgt tctgaggcac 300
tacagttgca ggaatgggcc gctgagcatt gctctgctcc ttaccgggcc cctgaattat 360
gggactgccc aagccatgcc gatattgatg agaggacaga catctgggct ctaggatgca 420

ctctttttgc tatcatgtac aatgtttcac catttgagta tgctct

466

<210> 23072
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B4

<400> 23072

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agaatatggt cggtcgcaag tggaagtgat taacgtacag ctttaatccg attctggacg 180
agcagacgta tatatataca ccggagtcca gaatgctaag ttatgctatt ttgattgtga 240
ttcgaatacg ggaggttggt aggggttttcg aagtacgtac tgacggctgc ctgtaagctt 300
tgttggagct gttcttgccg tgttggcagt ccgaattaat ttaaccatcg attgtgtcga 360
acagcatctc cagctgccga caaatagacg agtgatcaaa gttttttttt 410

<210> 23073
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B5

<400> 23073

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catcatcctg cttctcctgc tcattgtgac caccgatgtg gcgcaggcgg cgagggaatg 180
cgagaaggac agcgagcgat tccttggggc atgcatggcg tcggacaact gcgccaacgt 240
gtgccgcggt gagggcttct ccggcggcag gtgcagcacc ttccgccgcc gctgcatctg 300
cactaagccg tgctaaatta acctactccc ggcagtttcg atggtggacg tttattctat 360
ctattggctt acttgattat ttttccccta acaataagaa aacgcacgtg ctggcatgt 419

<210> 23074
<211> 440
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-B6

<400> 23074

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gccgttgcat ctccatttctg ttctggaatt ggggcgttgc acacccatgc cgtcgcgttg  180
ccttggggttg taggacaaca aggggcacgg gcatccgctg cccaagtttg gggagtggga  240
cgtgaagaat ccggccacgt ccgagggctt caccgtcata ttccagaagg cccgcgacga  300
caagaagacc accaccggcc ctggggctgg gaacgcgcgc gcaggcattc cggcggcctt  360
caggaacggc ggcggcgacg gcggttacag gcccgacttc ggcgacggca accagtacac  420
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<210> 23075

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A12

<400> 23075

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aatataaaca tttttactcc agtattcttt gtatgatagt ctaacggttt ctcatatgca  120
gagactcttg tacattcaac attggatcag tgcgacagtg ctgattatac cctagaagtt  180
ctcttcaata tgaaaaatca cacagtgcac gtgaagaaaa ggccttacct gaaagtgttt  240
cttgagaagg ttgctcagat gtttgagctc gtcattctca cagctagtca gagaatctat  300
gctgagcatc ttatagataa acttgatcct gatggaaaat atatctcacg gcgtatttat  360
cgtgaatctt gtatattctc tgacgggttg tacaacaaagg atctgacaat cttgggggatc  420
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<210> 23076

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G5

<400> 23076

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tggacgcggc cacgctggcg gagatctgca ggggaaccgc gttccccgac atctgcacca 120
gcacggtggt gagegaggcg cacagcgccg aggtgttga cgccatggct gtatcgaca 180
tgcacgtgca catgttcaac tcgcacatcg acgctgtgac gccccccatt ttggtgccg 240
cgagctcctt gcacgggcgc cgcgaggtgg tcgtcatgat tgactatctg gacactgacc 300
gcgacgggtt tttggacc 318

<210> 23077

<211> 98

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G6

<400> 23077

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aagaataaat aaaaaataaa aaaattaaaa aaaaataa 98

<210> 23078

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G7

<400> 23078

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acagtacaac agtgataaac atacttactc atcgcgattc agtgcagcgt ggactcattc 180
aacaggaata cagggctatg tatcatgagg aactctccca tcgcatttca tctgaactca 240
atggaaacca caagaaagct atgttgctgt ggattcttga tctgctgga cgtgatgcaa 300
ctgttttgag agaagctcta 320

<210> 23079

<211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-G8

 <400> 23079

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 ttcaatttgt cttcaagtga tcttgctcgg tgttctgata gtttttttac aagtgaaggg 180
 tatggatctc gctcacctta ctcgagaagc acaagggtacc gaagtcgctc taggagtgtc 240
 gactctagtg atgctgaaaa ccctgggaac aacctgtatg tgactgggtt gtcggctcgt 300
 gtaacggatc gagatctgga gaagcact 328

<210> 23080
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-G9

 <400> 23080

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 aaggctaagc gataccttga ggatgttatt gtcacaagc aggcaattcc cttccggaga 240
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 cgctggcccc ttaaatacgc caggttcatc ctggatttgc tgaagaatgc tgagagtaac 360
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 gccc 424

<210> 23081
 <211> 320
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-H1

<400> 23081

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tcaagaccac gagatgtcta cacgatattt ctgcgcctga ggaaacgtcg atggagccgg 240

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atgggcgccc cgatgctatc 320

<210> 23082

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-H10

<400> 23082

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aattgaacaa caatatataa ggtcgcgtgc gcaaccaaac agctacatgt acattgcagg 180

cgtgtgtgaa attgcacact aacgaacgaa ctcttgctcc gatcacgagc tagctgaagt 240

cgacgatggc ggctgtgctg aacagcaaga agacgccgca ngcgggtggg gccgtgctgg 300

tggcggcggc gctgctggct tcgtccgctt cggcggcgat cacctgcggg caagtggggg 360

cgtcgctggc gccgtgcac cgtacgcga cggngagggc cagcgcgctc cccgcgtcgt 420

gctgc 425

<210> 23083

<211> 441

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-H11

<400> 23083

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ggcgatctcg tcttgcgctt gacctgggtc aacatccccg gcgtcgcgcg gtgaatcatc 240
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ctgattatac atccgtttac ctggtattgg cataaggaga cccttggtat cgtgtaatgt 360
ttgtttgcag ttctgataag gtgtgcaaga aagctcatgc tactgggagc aatgcttgta 420
tctcagttnt gcttctgcgg g 441

<210> 23084

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H12

<400> 23084

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gcaccggcag agtcaccgaa ggcaggctgt cctgccaagg cacctgccga gtaaccgaag 180
gcacgcagcc ctgcaggctc tgacaaggca cccgagtctg ctgccacgag aactgcccc 240
gctaaggcac ctcaagccac ctgcacaccc gacgatgcac gctgacccat cgtcgtcgac 300
gtctaggaag tctgggtccag ctgccgcgac gaccaccggc gtctctacac cgtcatatta 360
cacggacgaa gagatgagcc 380

<210> 23085

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H2

<400> 23085

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caacaagacg ctgttcccca aggtgtgcat gcacgcgctc aaggacaacc cagagtgcc 240
ggcggagacg gcggtcacc cgcgccggct ggccgagctg ctcgtgtacg tgtcggccga 300
ggtgggcatg accgtggccg cgttcgcc 328

<210> 23086

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H4

<400> 23086

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acaagacgct gttccccaag gtgtgcatgc acgcgctcaa ggacaacca gagtgccagg 240
cggagacggc ggtcaccgcc cgcgggctgg ccgagctgct cgtgtacgtg tcggccgagg 300
tgggcatgac cgtggccgcg ttcc 324

<210> 23087

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H7

<400> 23087

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gacgcggcgc agcagcagca gctggcagca ggggaggccg cggcggcgcg ggtgcggccc 180
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ctccgtaacc agcagagcaa cgagtacggc gccgtcgcct actccgacct gggaggcttc 300
aagtacctcg tctacgcaa cg 322

<210> 23088

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H8

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acaagacgct gttccccaag gtgtgcatgc acgcgctcaa ggacaacca gagtgccagg 240

cggagacggc ggtcaccccc gcgcggctgg ccgagctgct cgtgtacgtg tcggccgagg 300

tgggcatgac cgtggccgcg ttcg 324

<210> 23089

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-H9

<400> 23089

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gccattgttg ttggaagaaa catcattcat ggaagtgatg gccagagac agcgaaggat 180

gagatcgctt tatggtttga acccaaggag ctgggtctctt acaccagcaa tgcggagaag 240

tggatctatg gggatgaatta acgagagagt caatctgttt ttttctctt ttttgatctc 300

ggttttcaca taattgccga cagacctagg cacaaggatg taataaagtc gctaccgtca 360

cttctgagtt ggattgtgac cttcaggtgt agtaaggcac aaggaaggat ggaaaggaaa 420

ggaatatatacc gtgaaa 436

<210> 23090

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A1

<400> 23090

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 ggataggggg ctcttgaca gccttctcgg caggaagaag cacgacgacg accaggagaa 240
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 gaagcacggg cacaaggagg aagagcacga ggtcgtcggc gagaagaagg aaggccttct 360
 cgccaagctg caccgcacca gttccagctt cagctcgtcg agcgacgagg aagaggaggc 420
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<210> 23091

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A10

<400> 23091

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 cgctgctc cgcgagctcg gcgcccacgc gggcgcgcg atcgtgctgg aggtcgagaa 180
 gcgcgccgag cagggcaccg ccgacggcaa cgaggccatc gccaccaccg accacgacgg 240
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 ggtgcggcgg gacccaccg aggaggacat cgccgtgctg gagacgctgt gggcgtctc 360
 catgggcggc ggcgtgctcc ccggcaggtc ggacatggac ggccccgacg gcgagatggc 420
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<210> 23092

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-026-Q1-K1-A11

<400> 23092

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 caccagggcc cggcagcggc gtcacgctcg gcgagctgct caagaagaaa gccggcgagg 180
 gcgtacgtgt gctcatgctc gtctgggacg accgcacctg cgtcggggcg ctcaagaagg 240
 acgggctcat ggccaccac gacgaggaga cgatgaacta cttcgagggc accgacgtac 300
 actgctgct atgcccgcga aaccccgacg acttcgggag catcgtgcat gacctgcaga 360
 tctccaccat gttcacgcac caccagaaga tcgtcgtcgt cgaccacgac atgccggtgc 420
 agcggtcgca tcggcagc 438

<210> 23093
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G4

<400> 23093

cccacgcgtc cggacgaggc tctggggaac tcttcggaag catcgaagag acaacaggga 60
 aacagcgaca agaatgcagg ctccgggagt gctctcgga gcaacaggag ctggcatcca 120
 tcgtctggta accctagtcg gggcggccag gggaatcacc aacatgacag ggactctcac 180
 agcggtgatt cgcggcgggg tagctcgaac taccgccgga ggtccgacaa tcgtcatgac 240
 catggcagtg gtggttcgtc acgaccctcg tcaagagggc agtcccagag ggggctatgt 300
 aaacactacg agagtggcca ctgcggg 327

<210> 23094
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E3

<400> 23094

attaactaat gcatgagcta gcatggctgg gaatgtcaga accatgtgga gttcaatgcg 60
 atcacatgtt gcgagggctg ccgcacatgg tgtgaggtgg tgagcgccgc atgatgctga 120
 ccatcccact gtccttcata cgctaggatg ccagtcacac tatgagctgg actgtttgtg 180
 agctgtaccg acatgggtatc atatgcctac gtgtgcatgt tatgacacga gatttgccac 240

taggaactac atgacctaga gcctgtgggg ctccaataac gtgtg

285

<210> 23095
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E6

<400> 23095

gggctcgccg cgatggaatt cgagtcagcg gcgcggcggc ggcagcgag actctgttcg 60
ccgtcgttga ggacccacct caccgcccgt tttgacgccg tggccggtgg ggagggcggc 120
gtgtctgggt actcttcacg gtcgtcttcc agcggctctg aactcgggtt cgacgcctct 180
ctcctccgca accgcccgtc cggtttcgcc gccccctcgg acctggacag ccgtgtcctc 240
ctctactccc cgcagtcctg gccgcccag atgagggcgg cgtacctggc agcggatgat 300
ggggtcaggg cacctggcgt caacc 325

<210> 23096
<211> 177
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-E7

<400> 23096

cggacgcgtg ggcgagcgcg tgggggagaa ctttgtgtac ccgagtgggg tggatcgttt 60
caagaggcaa ttcgttcacg tcgaagaaat tgctgctaag ggtgagaaga ctagccca 120
attgcgacaa catacttctt taccaagaac aggtcgattt gtacngtttc ttcttgc 177

<210> 23097
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E8

<400> 23097

atcgaccagt acttctgccc gcagaaggta tgccctggca agcggagcaa ctcctcgcat 60
gtctccgtca aggacgtcac gttccgcaac atcaccggca cgctgtccac gcccagggcc 120

atcagcctgc tctgctcgga gacgcagcca tgcagcggcg tctccctcat cgatgtcaac 180
 gtggagtacg ccggcaagaa caacaaaacc atggccgtct gcagcaacgc caagggcacc 240
 gccaaaggaa gcatcgaggc actggcttgc ctgggtctgat gatgaccttc cttttgcatg 300
 catgcatggg atctcatcct tgatgatgat 330

<210> 23098
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E9

<400> 23098

ataacatcag agaatgtctc gcaaaggata tgcgtacttt ccataaagaa ccaagaagta 60
 gtacagtcac caggcaacag atcttggaca ttcttacggc cgtcgacata ttctgggctt 120
 gtgttatcta tcaacttcaa tcaactaatt ataatgggtg cacaactgtt gtcacgagca 180
 tcattgaaac gatacaatat gtttagcggg tcctgaaata tacagctgtt gtttgcaggt 240
 acgtattaat gccgctggca gtattgggtc tcctagtcta taaatactgg aaaacaagga 300
 taacagtaga tgcagtcgag aagttcttgc gaatgcagca gatgctcgtt ccaatgagat 360
 atgcatacac aaacatcatt gctatcaccg gccatttcag agacaagctc ggacaagggtg 420
 gttacgggtc tgtatac 437

<210> 23099
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F10

<400> 23099

cccacgcgtc cggagctaca atggaggatt tctatgatgt aaaactaact gaaattgatg 60
 gacaagctat tagcctgttc ggtgtttttg acggtcacgt tggatcacgt gctgctgagt 120
 atttgagggg gcaacttgtt gagaaccttc tcaagcacc tgatttcttg acggatacaa 180
 agcttgctat aagcgaaaca tatcagaaaa ccgatacaga tttcttggaa tcggaagcaa 240
 gtgctttcag ggatgatggg tcaacagctt caactgcaat tttgggtggg gaccgtctgt 300

atgttgcaaa tgttggtgat tctcgtgctg ttatttcaaa agctggcaaa gctatggcac 360
 tttcagaaga tcacaaacct aacaggattg atgagcgaaa gagaatagaa aatgctgggtg 420
 gtattgtcat ttgggctggt a 441

<210> 23100
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-F11
 <400> 23100

cccacgcgtc cggagctaca atggatgttt tctatgatgt aaaactaact gaaattgggg 60
 gacgggctat tagcctgttc ggtgtttttg acggatcatgg tggatcacgt gctgctgagt 120
 atttgagga gcaattgttt gagaaccttc tcaagcacc tgatttcttg acatgatata 180
 aatcttgcta taaccgaaac atatcataaa accgatacag atttcttgga atcggaagca 240
 agtgctttca gggatgattg ttcaacagct tcaactgcaa ttttgggtggg tgaccgtctg 300
 tatgttgcaa atgttggtga ttctcgtgct gttatttcaa aagctggcat agctatggca 360
 ctttcagaag atcacaaacc taacaggatt gatgagcgaa agagaattgt aaatgctgat 420
 ggtattgtca ttt 433

<210> 23101
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-F12
 <400> 23101

cgctccctac cacttcgact tgagcggcaa ggccttcggc tccttgcaa agcccgggct 60
 caacgacaag cttcgccact gggcatcat ggacgtcgag ttcagaagg tgcggtgcaa 120
 gtaccccgct gggcagaaga tcgtgttcca catcgagaag ggctgcaacc ccaactacct 180
 ggccgtgctg gtgaagtttg tggcggacga tggcgacatc gtgctgatgg aaatccagga 240
 caagttgtcg gctgagtggg agcccatgaa gctctcttgg ggcgccatct ggaggatgga 300
 cactgccaag gcgctcaagg gccccttctc tatccgcctc accagcgagt ccggcaagaa 360

ggatcatcgct aaagacatca tcccggcgaa ctggagaccc gatgccgtct acatttccaa 420
cgtccaattc tactagactt tgaatt 446

<210> 23102
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F2

<400> 23102

ctcatatgtc ctttctgagt caagcttggt tatctatcct ctgaagattg tcatcaagac 60
ctgtggcact accaagctcc tgctcaccat tccaagaatc cttgagcttg ctgaagagct 120
gtctatgcc a cttgctgctg tgaagtactc ccgtgggacg ttcattcttc ctggcgcaca 180
gccagcccc cacaggagct tctctgagga agttgctgca cttaacgct actttggcgg 240
cctgaaatct ggtggtaatg cttatgtgat tggagatcca gcaagacctg gacagaagtg 300
gcacgtcttc tacgccactg ag 322

<210> 23103
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F4

<400> 23103

cccacgcgtc cgcccacgcg tccggcctcc tgagggcgct ggtgctgcgt gcggcgctcgt 60
ctgcgggcag gcgccggggg cccaggattc tgtgtggccg cgcgacggat gtgcgcgtga 120
cgccacggca cggacacggc tggcgcggggt tccgggcgggt cacgggaagg atgatgctgg 180
actcctctga gtctgcctct tccgccgccg ccgccgccgc ggaggcggga gctggggcgg 240
tggcaggcca ggcgcagccg cagcgccgcg cgggtgggggc cgtgccccag gcgcacgatg 300
gtggctacgc cagcggcgga tgggaa 326

<210> 23104
<211> 329
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-F6

<400> 23104

cccacgcgtc cggtcgtgtg tgtgcaagtg gtttgacgag gttgccaagc aggtgctgtg 60
gaaggagttc tgtcatgcaa gggctccaaa gatgatgctg gatttgcatt cagggtggcag 120
ccacattggt gatgggaact ggaaggcatt ggggaagctg ctcatctatt gcaatggctg 180
cacaaaaggg gggctgttta ataacattca cgttccaggc catttttgtgt tcaggacacg 240
cttttctagg actgcgggca ggagtttctt gcctctgccg tgtaagtctg atgtcctgta 300
tgtgtcagat ccatgcgagc atcttgatc 329

<210> 23105

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G1

<400> 23105

atcgcaactct cctccagcct ccaggcttgg caagcgtgct tcacatgacc acatccatgt 60
cgaacagcgc cgctagcgag aagcaatcgc agcaggcagg ccacaggcag cggcccccg 120
cggcgtcggc cgcggaacgc gagatgcaga ggggtgttctg ccgcatcgac gcggacggcg 180
acggccggat ctccgcctcg gagctggccg cggtgacgcg cgccatctcc ccgccagcga 240
gtcctctgca cgggcgccgc gaggtggccg ccatgatgga cgagctggac acggaccgcg 300
acggcttctg ggacctc 317

<210> 23106

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G10

<400> 23106

cccacgcgtc cgcccacgcg tccgtgattg agcaattgta taagtagttc atgttatcga 60
aatgaaaaca ataaaggatc atcatcacgg ttcttgcaag ttgggttgca gggatacggg 120
caatcaatct gccgagggac ctccctatcg tagtaccagt cccccaccgt cttgccagaa 180

ccgtgatgat gattgagcaa ttgtataagt agttcatggt atcgaaatga aaacaataaa 240
 ggatcacaac gcgcgcccgt agttgtagat gatgaattat aaacacatat gactgagctc 300
 aaagttgttt aatcatcatc tgttgcgaaa tgaggaagac aattggtgtc ttgaagctgt 360
 gttttcgact gtgtctaaag cgtaaagtga acgtatattg tgtcttcgcc tatgcttaag 420
 acattggact agttgattgg tcaattt 447

<210> 23107
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G11

<400> 23107
 cccacgcgtc cgccagaaag caaacgcaaa caagaagcaa accagcaatg gcccgcgctt 60
 gcgtcttcct cgtcgtgctc ctctagccg ccgtcgccat ggcgccgttc gcgggcgcgg 120
 cgcgcatcga cgtcgtcgag ggcaggtcca tggcgtcgcg ggacgcaccg gaggccgccg 180
 ccgacgctcc cgctctgct cctggccccg actcctcttc gaccccgctg ccggcacctt 240
 ccagcagcag ctcttccgac tagccgcccc gcagagatat ctacggcgtc cgatcagtct 300
 ttggcgccac ctataacctt tcggatcctg caaagctata tatgattcta tgggtataatg 360
 tgtggttgcg gcaaacgcgc ggaaataatg tgcttgctgt attgtttttc tctctctttt 420
 tttggttaat aatgtaaaac 440

<210> 23108
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G12

<400> 23108
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 tcatctcgca tggctgctct cgattttatc gtatgtgata ggagcgatgt ctttgtgaca 120
 aacaacaatg gcaacatggc cagaatgttg gctggtcgaa ggagatattt tgggcacagg 180
 aggaccataa gacccaacac taagaaactt tactcattat ttctgaatcg gaccagcatg 240

agttgggaca catttgcac taaagtccag acctttcaaa agggattcat gggggagccc 300
aatgagatta aactaggaag aggcgaattc catgagcatc ctgtagattg catttgtgca 360
aaatcgaagg gaaaaagcgt acagagcagg cctcacctag tttaaaggcgc ctgagaagct 420
gtggagaacc attctattga tg 442

<210> 23109
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G2

<400> 23109

caccctcgtc tcaccctccc tccctcacac aaataataag gaaaggtccc gcccttttcc 60
tccgacatcc acaagggggg aggggaaaac acgtacattc acccggcggc aataatggcc 120
tcggttccgg ctccggcgac gacgaccgcc gccgtcatcc tatgcctatg cgtcgctctc 180
tcctgtgccg cggttgacga cccgaacctc cccgactacg tcatccaggg ccgctgttac 240
tgcgacacct gccgcgccgg gttcgtgacc aacgtcaccg agtacatcgc gggcgccaag 300
gtgaggctgg agtgcaagca cttc 324

<210> 23110
<211> 319
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-G3

<400> 23110

cggacgcgtg ggctagttct agatcgcgag cggcaagatc aaagaggggtg tcgtcatggc 60
gataatgcat ccaggcattg ctgcaggctc cgcaaccctt gcagggatta tccttttcaa 120
aaggccaagg agctacctta ttcaacgagt acgacacatg tttggtagca aggaagtaac 180
caccctatgc ccgtttgatt agcacataat tcctgtaact tgatagattc acgctcttca 240
aagttaacca tctttcttga ttcatactct tccaaataaa ttctccattt tgcttatact 300
aggtggctat ctattcacc 319

<210> 23111
 <211> 324
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-E2

 <400> 23111

 caatggcgcg caacctgtct gtcacattgt tcattctgac ggcctatgtc gccgcgacgg 60
 cggcaccgac cgtctgtgcg gtcaaattctc cggcgagcac aacgaccaca aggaaacacg 120
 aagcagccaa agaagagacg gatgcgcctg ccaaggcacc agctgctgca gccaccgagg 180
 ggcttgcctgc gggagcgccc atgacatggc cggatggcgg gcctgagttc gtcaagatgg 240
 tcatcaagaa ccccttcttt aaaagcgcac ctccatctgg tagcgaagac ggcctaccca 300
 ttgaccccccac tccagaaggc agca 324

<210> 23112
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-C4

 <400> 23112

 cccacgcgtc cggttcacag tccccactcc acctcttct acaaatacac ctcagtggca 60
 gtccccacc atatccgctt ccctaccccc cgcatacct accaacgaga cgccggcgcc 120
 atgggggcct tcgcgaagga ggagcaccag ttctctgccg agctcggcct cgcgacgcgc 180
 aaccggggcg cgttcgcatg cgggtgcgtg ggcggctcag gtcccaccgt cacctccacg 240
 agcccgacca acaatcaggt catcgagag gtcgtggagg cgtccgtgca cgactacgag 300
 gagggcatgc gcgctgctt c 321

<210> 23113
 <211> 318
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-C5

 <400> 23113

 cggacgcgtg ggcggacgcg tgggtttttt ttggaaaata aaaaataatt atatttcgat 60

aaatatatta tttaatcaaa gtttatagaa accgtagcag tgtatggata actaactacc 120
 attttatgtc tgaccaagtt tgtttaaatg aatcagacac gaccaaattg gagagtgaga 180
 agggacatct acatctgttt aacacaaaag ttggcactca tcagcctatg cgaattacag 240
 gtgcttcgaa gacagtgcta ttagtggcgc agcttgcatt tgtatccatc gtttcatccc 300
 ccagctcaac attttcag 318

<210> 23114
 <211> 325
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C6

<400> 23114

gttcaaggag gtgaccaagc gggagtacac gcagtacagc gagtacaaga actgggtgtg 60
 gaagtcgcag gacgacctgt tcctcaacgg cgccttcttc aaccagtccg gcggccagaa 120
 cgagcgcaag tacgacaggc tcgacctcat ccaggccaag ggccggccagt acgccgagtc 180
 gctcaccagg tacgccggcg cgctcaactg ccgcgtcggc aggaagtgtc agtgcggtgtg 240
 cagctctagg ctgcagcttt catcattggc gatcgatcgt aacaatgcaa ggttgtgttg 300
 tatataactc ttgtgtttgg aatgc 325

<210> 23115
 <211> 327
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C8

<400> 23115

atcacgacaa gatggcgtgc aaaaacaatg cgatgagagc cttgttcctc ctggtcgtct 60
 tctgcacgt gcattggtgag aaggaagagt caaagggcat cgatgcgaaa gcgtccgggc 120
 ctggtggtgc cttcgacatc accaagttgg gcgcctccgg caatggcaag acagacagca 180
 cgaaggctgt gcaggaggca tgggcatcgg catgcggcgg cactgggaag cagacaatcc 240
 tcatacccaa gggtgacttc cttgtcggac aactcaactt cacaggccct tgcaagggcg 300
 acgtgaccat ccaggtggat ggcaatc 327

<210> 23116
<211> 444
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-C9

<400> 23116

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ctgggcggcg gccacagcat cggcgtctgc aggtgcttct tcatcgagac cgacgcggcg 120
cccatcgacc ccaagtacaa gaagacgata agcgacgcgt gcgacggcaa ggactcgggc 180
tccgtcccca tggactccac ctgcaccaac gacctggacg ggagctactt cggcctgggtg 240
ctggagaaga agatgccgct caccatcgac cgctgatgg ggatggacaa gaagacggag 300
cccatagtga aggccatgtc cgacaagacc accgacttcg tcccgtcttt cgccaaggcc 360
atggagaagc tcagcgtgct caaggtgtc acggngaagg aaagcgagat caggaagacg 420
tgctccgagt tcaacaaccc gcag 444

<210> 23117
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D1

<400> 23117

cggacgcgtg ggcctcgacc tcaagaaagg cggcaacggg cgctacctca agacggcggc 60
ctacgggcac tttgggaggg acgaccccgga cttcacctgg gaggtggtga agccccctcaa 120
ggcggagaag ccgtcttctg catgaggcgc ctctctgtt tcggaagaag cttttggtct 180
ggtctgcctg cgctctatca tgctttttta tggctcctac gtgttgatgat tcttgatctg 240
ccccttgctt atcatttgta ttgtactgtc actgtcctaa taagtggtag gtgtgcgggg 300
tcgtattgtg tctgct 316

<210> 23118
<211> 390
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D10

<400> 23118

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ccttccatgg cgcccaggaa cgctgtcccc gccgccagcg ccgtggccaa cggcattggtg 120

atggagccga ggttccgcgg cgctccggaag cgcccgtggg gcagggttcgc ggcggagatc 180

cgggacccgg ccaggaaggc gcgcgtgtgg ctcggtcacct tcgacaccgc cgaggccgcg 240

gcgcgcgcct acgacgcgc gcgcgtccac ttccgcgggc ccaaggccaa gaccaacttc 300

cccgtcgcgt tcgccgcgt tccgcgcgc cgcccaaga agccggccgc cgtgaccgtg 360

agccccagca gcagcagcac cgtggagtcc 390

<210> 23119

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-D11

<400> 23119

gccagaaatt gtcaagaaga catactgttt gaagatcagg caagagctga tgcattcggt 60

tccagctgtg acgagtcgag tgggtgtagca agccttaaaa ttcagatttc tctgttgaat 120

ataagactga gggcacttga agaggatcag gagttcctca atcaggtatt gagttcgctc 180

caatgtggta gtgatgggct gcagtgtata caggagataa gcaggcactt agcagagttg 240

cgaagagttg tggctcacta aaatgaaaat ggttttgccc cgagttcaca ctttttggcc 300

gtcatgaggn tctnctttgt nacggcaaac ctatttgcag cctgctatct ag 352

<210> 23120

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D2

<400> 23120

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cgtgctatag ctcagggaaa ccctgatgaa gttgctgcag cattgtgtag atattcagca 120
ccagaagagg ttgatacttt accatcaaca tgtggagcct gtggaacaga atgcgtcaca 180
cgtttctttg ctacaaaaat cccatatttc cgggaggtga ttgttatggc aacaacatgt 240
gacatgtgtg gttatcgcaa ttcagagctg aagcctggcg gtgaaattcc agctaaggga 300
aagaaaatta cactgcgtgt tca 323

<210> 23121
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D3

<400> 23121

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cagatggaca acccgatggg acctcctcca atggggccag ggcccaacgg gcacttcatg 120
ccaccgcaa tgcctttccc agacatggtt cctccctcca cattcggtgc ttccgccaca 180
gccaagatca gcgtcgatgc atcccttgct ggtgccatca ttgggaaggg tggtagaac 240
aaaagcata tatcccgagt gactggggcc aagttagcca tccgggacaa cgaggctgat 300
cccaaccata aaaaca 316

<210> 23122
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-D4

<400> 23122

cccacgcgtc cgcccacgag tccgcccacg cgtccgccag ataccaaggc acggaggtcc 60
atgaccatag cagcaatgac atggctgtgg tgatggggct ccggcgagca attcccatta 120
cccagccaca tctcccgttg aattgagagt tggtgaacta caacatgcgc tcaaaaacct 180
cttagcccct tcccctgagc ccgaacaacg ccgagggcgt gatacattgg cggcgacaac 240
ctctctttct ctactacct ctgacctatc tgcattgcac aagcgggatg ctcatggggt 300
tcatcagggtg accatggttt gagg 324

<210> 23123
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-D6

 <400> 23123

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 ggaatccatg gaattgatgc ggagcttcga ctggacacgg ggaagctatc ccgaccgcca 120
 atttgatgaa cggccagtcg gaactcgggc aatggctcac cggaggagtg gcgtccgtcg 180
 cgggccgcgt tccatcgtgg gcgttcgtct ccgtgcccga atccgtggtc aagaacatgt 240
 accacatgat gagacgcatg gaagatgttg cgatgtgttc gtgagaggtc taggccgtcg 300
 tctcccagtc aacttcgggt tgctgga 327

<210> 23124
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-D7

 <400> 23124

 atcctcgtct tctccaattc caaagtaaga aagccacacg cgaggccgac cgaggaagtc 60
 caatctcatg gcgctctcct gcatgaggtg ccccgcgggc gccggcgccg cctccgcccg 120
 acgcgccgca gcgcagccgt tggccgcgga ggctgcggtc tccttcgcca gatgccgcgg 180
 cttcgggagg tccgccaccg ctgcgacttc cgcttggttt tggcgcaacc atgccgttgc 240
 ctcacaggga gtgaaagctc ccatggatgc tgatgtcaag aatgctgtca tacctcctac 300
 ctcaccaaag gtggaaa 317

<210> 23125
 <211> 326
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-025-Q1-K1-D8

 <400> 23125

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 cgtcgggtgtg gtcgccaccg tcacccgctc cggcaagaag gccggcgaca acttcacggt 120
 cccgggggag gcttcccttg ccacgtccgg caagtcggtc aagtcctgt gcgcgcccac 180
 cctatacaag gagtcgtgcg agaagacact gtcccaggcc accaatggca ccgagaaccc 240
 caaggaggtg ttccacagcg tggccaaggt ggcgctggag tcggtccaga cggcgggtcga 300
 gcagtccaag tcgatcggcg aggcca 326

<210> 23126
 <211> 330
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-D9
 <400> 23126

aatagaagca taatgatcat tactcttaat ggtcaagaca cactactgac tcttcaaggt 60
 tccggggtcg aaacgagggg gcaagtcgca attgacgac aaatcttaga tgttacacgt 120
 gactttgacc tttcacatgt taaaaattaa gaagtcgaca cgctacactc tgaaatgtta 180
 tatattatgg acctaggacc taaaatcttc aatatgtgat atatcatgca atatgcggtc 240
 tacatagatc attgatcctt taatgcatca cacatgacaa tatgatctaa gatcttatac 300
 cagattctac tgattactca tacttgatag 330

<210> 23127
 <211> 316
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-E1
 <400> 23127

gttctgtctt cagtgggtgca aacaaaattg gtgatgggtg ttttggttct gtcttcagtg 60
 acgcaaataa cgactttgtg ctactatgct gaggaacaag ctttgtgact tattttggat 120
 ttgagcagca cggtcataac attgctgatg ccaagaaaga tgatcctcta tgttcactac 180
 atcttgcaat atgtcctgcg tgttaccggc caaacaaaac accttgaggt gcagcgacga 240
 caggaactac ctctacagga accggtttta cgagtaattt gacgacgcgt ggggtggagca 300

gacctggtgg gaagta

316

<210> 23128

<211> 343

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-E12

<400> 23128

cccacgcgtc cgcggaacgc tgggcgaacg atcagtctga gatgcatgca cgacgatcga 60

tctacagcta gcgttgcatc gcatgacgat atggacctac actcgcgggc aaagcccatg 120

gacaccgncg tcgccgtcgc ggtggcttgt cggcgccgcc gccttcttcg gccgggtggg 180

caaccccgcc ttaacaacaa gcccaatggg gtccaagcca aggccaacat tctttttgaa 240

gaagtcgggt ttaccaaccg gcggaaaggc ccgggcttca ttagccgggc cacgtggcaa 300

cttccggccg ggtcaacgct tttccagcgt ggattccagc cta 343

<210> 23129

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C3

<400> 23129

ccgcctccgt gtccgtgccc tacagctggt catgagcgcc cgcccaacca tggcggcggc 60

ggcgcccgtg cgcgcctggg tgggtggcgt ggcgctggtg ctggcgtgcg cgctgctcca 120

gccgcggccg tccgacgccg cggcgccagc cgccccgcag tcgcccgcga cggcgggtgtc 180

gtcgggcgcc gccaaagcca agtgcgtggc cggcgccagg aacgaccacg cgtgccgcgt 240

cggcgccgtg cagcaccggg acagccagga ggaggagggc tccagcgtca ccatcgacgc 300

gcccgcgctc gcgcccgc 317

<210> 23130

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A4

<400> 23130

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ttacaacgat ggaggcgaca tgttctggtg gacacgagct tattctcaca tccagcctaa 120
atgagggttaa gatctgggat gccttctcgg tatctgcagg gcctttgcac acatttgagg 180
cctgcaaagc tgctaggttt aaccactctg gaacttcatt tgctgccctt tctactgata 240
cagctcaacg ggagggttcag ttgtatgatg tgcagacata tactcttgct acacagcttc 300
ctgataacac tagcagttca 320

<210> 23131

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A5

<400> 23131

cccacgcgtc cgcccacgcg tccgcggacg cgtgggggaa aagaagctcg tcttttacac 60
aaaagtaaaa gatgcaatta cttccttaaa cgctaagaag actatcaata agaaaaatac 120
acggagtcgg cgtcagaaga aactgaaagc atatgacctc tcagcactgt ccgagtcctt 180
cccagaacca ggtgcaccaa agcagaagcc tgaagcaaag ttgaactgca agtcaagaca 240
gtcattagta ttacgggagg ctgctcatct caaggttgtg ctgggaaaga tgcagttcca 300
gcttgaccca tttgctgcga tcca 324

<210> 23132

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A6

<400> 23132

aaaagccgaa caagtacaac tatccaattg ggaagaggcg catgcagcca gtgggaataa 60
tagttttcgc atcagtgatg ggcacacttg gcttccaagt gctgatcgaa tcagggcgcc 120
agctcataac tcaggagcac gcggatttca agttcaagca agagctctgg atggtcatta 180

gcatgtcctc tgttgcggtc gtgaagttct tctcatgct ctactgccga acgttcaaga 240
 atgagatcgt gagggcctac gcccaggacc atttcttcga cgtaatcaca aactctgtcg 300
 gcctgggtctc ggcgctgctc gctgt 325

<210> 23133
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A9

<400> 23133

cccacgcgtc cggactccga gtcggaaggc cgcgtcgtct attccgacat gaagctggct 60
 gatgagacgg gatctgcgcc ggctccggca ccggcgccgg ggccgacgac cagttgaagc 120
 gaggaaggtg gccaaaactg agggcccgcc tactatcttt tgctataact aaagataggg 180
 ccaagtttaa tttctccgat aaattctgtc cgagcaaaaa gtatgatggg gtttttagtc 240
 gagatggtaa ataatgtatg acgcgcgtgt ggaccaagag tcatggcttg ctgtacttgt 300
 ggtttctgag ctgcaacact caatcgacta ctaaactaag gtaataacta ggtagtgcc 360
 cgtgcgttgc aacggaaaca tatattatca tgataat 397

<210> 23134
 <211> 317
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B1

<400> 23134

agcgaacctt caagaaatat ggagaaagga gaagtggtag aattcactct gcctttccat 60
 tcccccatcc gccatggcgg cgccgccgga gctcgttgac gacacgatcg ccgagatctg 120
 cctccgcctt cccccggacg agcccgcgca cctcgtccgc gccgccttgg tctccaggcg 180
 ctggcgccgc atcctctccg gcggggcctt cctccgccgg taccgcgcgt tccacggggc 240
 gccccctctg ctcggttctg tcgacaacac catcgggctc cacggcgcca cgccccctcg 300
 cttctcccc accacct 317

<210> 23135

<211> 118
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B10

<400> 23135

gaattatatt tcaaaagagc tcacctagcg catgtgttac aagacaatat aatatgagca 60
atggcttttt ttggcaccag accacccaag aaataagtta tgctacatgt ctcttctg 118

<210> 23136
<211> 436
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-B11

<400> 23136

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aacaagccat gatggattcc gtgccaagaa ccaaaattct tcttgcaagg cccttgaaag 120
tttcaaactg gtgatggcat ccactagggg caatccaatt tttgcatgg tgacgaaacc 180
aagtagaaga tggcacccta acaagttata ttatttcctt ttcttatacct gcttagatcc 240
aaggatgtga tggctctgaac cctaacgggc tcttgctatc ttgatttgac gtctgggaga 300
cgcttgattc cgtgcctgtg ggttgtaagg cgttaaaact tgactntgtt agtgtactcc 360
caatgatata acccaatcct gggtaaacaa acgcatggng atgaattttg gacgaaacca 420
tggacaactg atgtgt 436

<210> 23137
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B12

<400> 23137

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gccctgctcc ttgtgagggg tcatgtgttc ttgggattat tgagaatccg gtgtctatca 120
aaagtataga atgtgcaatc atagacaaag gtttcgaaga gggatggatg attccacgac 180

ctccacttca aagaacaggg aaggtggcca ttgttggcag tggaccagct ggtttggctg 240
 ctgcggatca actaaacaaa atggggcatt ttgtaactgt gttcgaacgt gcagaccgaa 300
 ttggagggtt aatgatgtac ggcgttccaa acatgaagac tgacaagatt ggcattgtcc 360
 agcgccgtgt taacctaatg gcagaagaag gtgtcacatt tgtggtgaat gccaatgttg 420
 gtagtgatcc tctgtac 437

<210> 23138
 <211> 155
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-B2
 <400> 23138

agccaacctc caatacctat atatatattca caagtggatg aacatactct tccgtacgat 60
 tatcttattc atcatcgccc tctatttga tctccttaac aactctatca tctagacatt 120
 cctcagcata ccacctcaact acccccacaca catcg 155

<210> 23139
 <211> 318
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-025-Q1-K1-B3
 <400> 23139

cccacgcgtc cggctcctcg ggaatccggt gccaggcctc gccttctcgc ggcggtgctc 60
 cctccctctt cgtccccag cgacgcaggc aggcgcgcgc gcggccatga aggggggcgg 120
 tgccatgagg ccgtcgcta tgttctacgt ccacgaggcg gacgtcgtcc agatccacca 180
 ctctctcgag gagtgtctcc tctgcgcaa atcgctctcc ggcgacatct tcatgtacag 240
 gggtgacacg ccgttctgca gcgaggagtg caaggagcag cagatcgagg tggacagggc 300
 gaagcaccgg cggaagaa 318

<210> 23140
 <211> 320
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B5

<400> 23140

cccacgcgctc cggatgatat caagtatgat gaggaatatg tattgaatgc acgaggaatg 60
aatctcttca catgccaatg gagacctttg aactctgaac caaaagctct gatcttttcta 120
tgccatggat atgccatgga atgcagtatt tcaatgagag gcacaggtag aagggtggcg 180
caggctggat ttgtagtgca tggaatggac tatgaaggcc atggaaaatc ttctggactt 240
caaggatata ttaatagttt cgatgacatt gtggttgatt gctctaagta ctttgcaagt 300
gtctgtgaga aagaagagta 320

<210> 23141

<211> 322

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-025-Q1-K1-B6

<400> 23141

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ttccgccgaa cctacttggg cttcggcaag tcccggcgcg ctctcctcag agaactcggg 120
gagtcggcg cgcaggcgcc cgtgctccca accgatggc tccccgacga tttcaactgg 180
agggaccacg gcgcgcgcg ccccgctcaag aaccagggtt cgtgcgggtc gtgctggtcg 240
ttcagcgct ctggagcgt ggaggggtgc cactacctng caactggcaa gctggagggtg 300
ctttcggagc agcagttcgt cg 322

<210> 23142

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B7

<400> 23142

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ttattcaaga ggttgacaag gataaggatg gtcgcatcag ttaccagag tttgaattga 120

tgatgaaaag tggatcggac tggaggaacg cctctagacg ttactcaaca gagaatttca 180
gcagcctcag tcaaaaactg tgcaaagata ctttatgaaa caagaaagta gtttccaagc 240
agcaattact gactgaagta ccacaccctc aacctcaact aaacagcatc aaagacaacg 300
caaaagcagg attactggat ct 322

<210> 23143
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B8

<400> 23143

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cggagcgcgt gttgaccgga gatggcgccg agcgggtgga ggaggagcgc ggcggcgcg 120
gtcgcctggc gcccgccac ggtttgcctg tggctcgcgc tcgccgccgc cgcactgacg 180
ctcgcccagg ctaagaagga cctgacggag gttaccaca aggtctactt cgacatcgag 240
atcgacggca agcccgcagg ccggattgtc atggggcttt ttgggaagac tgttcctaag 300
acggcagaga acttccgagc tctt 324

<210> 23144
<211> 239
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-B9

<400> 23144

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ggttatttta tggcaccaca ccaccaaga aataagttat gttacatgtc ctttcgtgca 120
ccttgttgtg ttgggttaat acggttatat aaattgaaat acaatatgta tttaatat 180
ttagagaaaa aaaaaactgc agaatacagc taaaggaaaa ctacaaacta acaaaataa 239

<210> 23145
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C1

<400> 23145

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gcgcccgtcc ttcttcctcg cctccgttcc gttccgttcc gtcccgtccg ccgcccgtcc 120
cgcattcagg gatggagatg aagaagatcg cctgcgccgt cctcgtcgcc gcctcggcgg 180
ccaccgtggc gtcgcgccg gaggtccgg ctccggggcc caccagcggc tcctccgtcc 240
tcgcgtccgc cgtcggcgcc gccctcgggg ccgcccgtcg ctccctcttc gcctactaca 300
ttcagtgagc cg 312

<210> 23146

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C10

<400> 23146

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ttctctctcg gaccacctcc aaggctcttg gtgtagcttg ccactctcac caatcaagtt 120
ttcatgtctg atctcgacat tcagatccca actgccttcg atcccttcgc tgaggccaat 180
gctggggact ctggtgcggc agcaggggtca aaggactacg tacacgtgcg catccagcag 240
cgtaatggtc gcaagagcct gaccaccgtc cagggattga agaaggagtt cagctacagc 300
aagatcctca aagatctcaa gaaagagttc tgctgcaatg gtacagtggc ccaggaccca 360
gaacttgga aggtcattca gctccaaggt gatcagagga agaacgtctc gaatttcctc 420
gtccaggccg gcattgtgaa a 441

<210> 23147

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A2

<400> 23147

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atggcgccca gcagcagcat agcagtactg ctgtcctcgc tcgtcgccgt cgtcctctcc 120
aacgtccctt cctcgggcgc cctggcctcc tcgtcgctgc ctctgctgca ccagtcgtct 180
cctcctgaga gtgagactga gaccgactgt agcagcggag aatcttcgtc gtcgtcgctg 240
tcggacgagg aggaggccgg cgagaacgat aatgagaagg agcaggagat ggagaagg 298

<210> 23148

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C11

<400> 23148

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ataccagcca ccatgcgcct gtccctcttc ctgcgtcgctc tggccgccct ctcggcgcgc 120
accgcggcgc agctgccgct ggcgggcggc ggcgggcggc ccctgaagcc ggacttctat 180
agccagtcgt gcccgcgcgc ggagcggatc attgcggagg tgatgcagac gaagcagatg 240
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gggtgcgacg cgtcgggtgt gatcgcgtcc acccagttcc agaagtcgga gcacgacgcg 360
gagatcaacc actcccttcc cggggacgcc ttcgacgccg tgggtgcgcgc caagct 416

<210> 23149

<211> 98

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C12

<400> 23149

atgtgttgaa cccttatgta agacacattc atgcgtcttc tcaagagcgg tatgaatgct 60
tctatgctga actgatcact ctcagttacg atattttt 98

<210> 23150

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-C2

<400> 23150

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gcagcagcaa ccaactgcaca ggatgtcgtg gcagacgtac gtcgatgagc acctcatgtg 120

cgagatcgag ggccaccacc tgagctctgc cgccatagtc ggccacgacg gcgccgtttg 180

ggcccagagc accgcattcc cacagttcaa gccagaggag atgaccaaca tcattaagga 240

cttcgacgag cctgggtttc tgccccgat cggcctcttc cttggcccca ccaagtacat 300

ggcatccaa ggcgagcccg gc 322

<210> 23151

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G6

<400> 23151

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gctgaaatgc gccgccagga agaacaagct gtgggtgcag gtcggcgatc ccaacctgga 120

ccaccagtgc tgggtgcggc cggagaacat gaaggcgccg cgcacgtgtg acgagatcga 180

ctcgaagacg cccgggacgg agatcgccgt cgagacgtcg gccgcgttcg ccgcctcgtc 240

catggtgttc cgcgacgaca agaagtactc gcgcaagctg ctgaacaagg cgaagctgct 300

gttcacgttc gccaaagagcc acctgggcag ctacgacggc gaggccccct tctactgctc 360

ctactcgggc tacaacgacg agctgctgtg ggccgcgacc tggctgtacc tggcgacgag 420

gcggcaagtg tacgcggac 439

<210> 23152

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G7

<400> 23152

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agagattgga tcaagttcca ggctttttta aaagtgcctt ccagcttact taattgactc 120

gcatgggctt tctcgctata aacgaactaa acgaagcgcc taaagagaga gatccgcggg 180
acaccagtca ataaagtaaa aagagagtat tctcttatgt agtcttattc cttcccaccc 240
ccttgtgggt gctgctcaag cagctcaaga ggcgccaacc ccacaaccac aggtagaagg 300
agttccaggt gcggcgctca gatcaggggac tagtggcccc tcctgttcgg atgtaaagga 360
aagatgaaaa acttttctca aacagtgggg aaagggcccc atacgtcaaa gccagataaa 420
gaat 424

<210> 23153
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G9

<400> 23153

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cgtcgacatc aacactgggtg gcaggacgaa ctattgctca agattatgaa caaggacaca 120
taacgctatc gcacgacgac agccatcgta ttcgcgtaag aagatcaagt gcctcggagc 180
agaccaacca tatgctggcg aacgctctga gcacctgtac atacctcaat gtgagtgaca 240
acgtcgaaaa cttctgacgg acgcagtcac taacgcagat atacatggaa cagctacagt 300
ccctgatgat cattgcgacg acttttccat actactcgtc tcgcaacagc ctgtacaaga 360
tctttgacgt cttgggacgt gttatacaca tcaagatatg cgatttaca gacctaaca 420
ccgtaaggac tttgcaagtc tgacactctt tg 452

<210> 23154
<211> 339
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H1

<400> 23154

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tgctggcgca ttgcttgggt gtacgatagc cacagcagga caattattcg tttgaactcc 120
gaagggtcag gagaaatggt gtagcatttg catcgcgggg acttgagaag aagtttctct 180

agtgttctgc tacttttaggt attggttaaga ttttcaactt ggagctgtag tgttgttgaa 240
tgttgtaagc tctgatggaa cgtgattata tgtcaagggtg atgttcacag gattgttgta 300
cagaacattt gttcgataat gtcatgggta tgattgatg 339

<210> 23155
<211> 297
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-H10
<400> 23155

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gggaactcca tcatgaagtg cgacgtggat attacgaagg atctgtacgg taacatcgtc 120
ctctccgggtg gcaccacat gttccctggg atcgtgaca ggatgagcaa ggagatcact 180
gccctggctc ccagcagcat gaagatcaag gtggtcgctc ctccagagag gaagtacagt 240
gtctggatcg gacgatccat ccatgcatgc ctcagcacct tgcatacagat gtggatc 297

<210> 23156
<211> 426
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-024-Q1-K1-H11
<400> 23156

gccactctaa cggaacagta tacggaatac cgatttgatg gcccaaaata agcacatcat 60
gggtgtgggtg gctctccttt ttcttgtggt ggcaacatca tcatcagtgt gggttgcaga 120
aggagccgat gacttaaaag tttcttgcgt taaagagtgc acccaaaatt ttaacactcc 180
cgaggggcaag aagatctgtg aaacgatgtg tgccaaccct aaaggaaggc ctatcgacag 240
agttagagct gattgatcaa tgctcatctt tattttagc tagctatcat gcatgcatg 300
atggccttct tgattattat tatttcattc ctcattgttag ttgttcttgc atgctttttc 360
caccactaat attgtcctaa ttgatgcata caagttgtca ctcaaagcaa tttctatgct 420
ntactt 426

<210> 23157
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-H12

 <400> 23157

 acgtccacgc gtccggagac attcatgaat cagatgtaca aactacggta catacgcata 60
 actcgagctt accctcataa agtgcggcgc tgatcttagt aaggcattat ccaggaacct 120
 tgctctcttc gcagacgcca ccatcatcac tagaaccgct aaccctatga acgaacttaa 180
 cattgatcac agtatcaggt ccatcatgag ccatgaattg gctactcctt atggaagttt 240
 caaatccttg gatcacacc 259

<210> 23158
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-H2

 <400> 23158

 atcagctgct ttcttgtatg tcagccttag atccttccaa ctcttttgct tcttttgatg 60
 cacacaaggt acgaaagcta gctgatttat atcctaata ga catgtcaagc attgacttgt 120
 taaaacttga cttgcaactt gacaattata ttgatggcat aagagaagat gatagattca 180
 aagacataac taatcttgtg gacctctcag ttaagcttgt tgaaacaaag agacataagg 240
 tgtttgatat ggtttatttg cttctcaa at tggtattgct tttgccggtg gcgacagcaa 300
 gtgttgaaag ggcattttct acaatgagtt tggtgaagac taaattgaga aacatgatgt 360
 gtggtagtct tttggatgat tgtctngtta catacatcga gagggattat ttcttcgaag 420
 tgaatgaaga a 431

<210> 23159
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-H4

<400> 23159

accacgcgtc cgaggagatc ctcaagatcg cgtaggagaa cttcgacttc agggccggga 60

tgatcagcat caacctggac ctgaagaagg gcggaacag gttcatcaag accgacgcct 120

acagccactt cggacgtgac gacgccgact tcacctggga ggtggtgaag cccctcaagt 180

tcgacacggc atcggcttaa ggctgggagt gctcactgtg gacatgagga ctaccgttct 240

ctggctctgc tgctacctgc aagcattgct gctgatgcat gtgagcgtct gatcagcgac 300

tggctgctgc tccatagaag atgaacggag agaacgatga t 341

<210> 23160

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H5

<400> 23160

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ggcgcccatg cttatgaaca ggtacgagct cgggcgacag ctctgacagt gcaccttctg 120

caaggtgtac ctaggccgga acatctcgtc cagtcagtgc acgtgcatca aggtcattga 180

ctatgagaac gtgatgagcg tcagcatgat cgaccagatc aagcactaga tctccgtcat 240

gcgc 244

<210> 23161

<211> 148

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H6

<400> 23161

cggacgcgtg ggccggacgcg tgggcccgcg cgtgggcccga cgcgtgggcg gacgcgtggg 60

ctgtctccat ctccatatat agctagagtg agacttcgct gttgtttaaa agagaagagt 120

taagaaatgg attgacaagt tatataat 148

<210> 23162

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H7

<400> 23162

cctttcaacc tgtgctggaa catctttggc ggacatagtc aatgcatcta cggaagcttc 60

cttatagaaa atgcctatca tcatcggcca tccgcgtcct gtccatgctg agatcctctc 120

tacatctccc ccaaacgcag acagagagct ccactagaaa gctaaatagc gcatcacaga 180

aatgtgcgca gacctataga actgggctag caagagccct tatggatata cggcatctga 240

ctctccgaac ctcaatgcta gttcacgctg aacaacaccg attgtcccat gtggactcac 300

ttgtacatga gactgtagtg ccagccaacc acgataaatg tagatctagt cggtcgctca 360

tactgagaga agttctatat gcct 384

<210> 23163

<211> 266

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-024-Q1-K1-H8

<400> 23163

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gggtcagaga attgctgacc ttgcaccaca agtctttgca acagttccca agatgagaat 120

tagcaaaagg acagtacatg aagctcttac tgatcactct tgggtgatgg atatctaggg 180

agctctaact nttggagtta ttaatgagtt tcttagtctc tgggatttgc tctccgtagt 240

ggtgttacag cctgggattg atgatg 266

<210> 23164

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H9

<400> 23164

ctcacgcgac cgtacatata tcacacaaat tataaggaaa ggattcgacc ttacatctg 60

aggtttacat tgtctgagga aatgatacgt acatctacgc gtcagcaata tcggcctagg 120

tttccgctcc ctcgactaca tccgaagcga tgatgccatt cctaagcctt atgcgctcat 180
 gtgtctcgac tacctatacg aaaatacccg actacttcat gaagcgcagc gtctactgat 240
 aaacatgccg tgcttgatcc ttaccctacg tgactgaaac catatgatgc tccaacacga 300
 gcct 304

<210> 23165
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A11

<400> 23165

actcgcgctg gcgccaatag catcacgcta cgcatttaca atccatcacc tttcatccgg 60
 aactcgtaaa attttaactg gtagctgtat tccaacatct gatgcacagc ctaccgatct 120
 ttcatacaaa gctaccgcaa tcttgacgac aacaactaga acccacagaa gtacgtgcag 180
 tacatcccag atacagtcga ccaacttcta ggccagctct tccaatggca acaatgggtcc 240
 taacaaacac tcttaacatc atatagtgat agtgactgca ttattacaga cagatgccac 300
 taacttcaac agtacagatt tcttactaat caaccaccag ttacttctat cactacatat 360
 aatatactag tgacataaac ctcacttttg catgcactac ctaattttct tttcccataa 420
 aa 422

<210> 23166
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-A12

<400> 23166

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 ccctggctga ttattctcca agctttgaga gcgagcacga tgaagatgag cgcaaggagg 120
 gttctcgtca ggagggagaa ggtcaagcat ctggaaactc atttgacaat gcaagttcaa 180
 agaaatcaaa tattctgtca acaagtagtt caaattcatt gccagatgct caggggctag 240
 tttctggggc tagagctact gattctgcaa gaattgctaa attcacaacg gaactatcta 300

ggccagctgt tatattagac aaattgctg aactatcttg gagtgggtgtg cctccatata 360
 tgcgacctaa tgtatggcgg cttcttttgg gatatgcacc gcctaataaa gatagacgag 420
 aaggtgttct aacaaggaaa a 441

<210> 23167
 <211> 438
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-G5
 <400> 23167

cccacgcgtc cgcccccttc cccgttcgct gtcccgacag gtccctccca ctccctggagc 60
 cgggggtctac cctccccgta cgcattgcatt tcgacatgtc ccaccgcgtc cggctcgcgcg 120
 cggcggcgct cgctcgtggc gccgctctgg cgcttgcccc cggcgccgcg gcggcggtggc 180
 agctgacgaa gaacggcacc gtggtcagct acgaccgccg gtcgctcatc atcgacggcc 240
 ggcgggagat cttctttctc ggggtccatc actaccgcg gagcccgccg gacatgtggc 300
 cggagctcat cgccaaggcc aaggagggcg gtctcaacac catcgagacc tatatcgtct 360
 ggaacatgca cgagcccagag aagggtcagt tcgacttcga ggggcggtac gacattgtga 420
 ggttcttcaa gctgatcc 438

<210> 23168
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-F3
 <400> 23168

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 ggaggcggtta gacgagaccg ccgacgacgc acgagcgctc gatcccgagc gtctataacc 120
 ttaggattca agaagatcca tcattccgacc ggcttctctt acatcgaga atgaaacggt 180
 cgcattacga cactgctcaa gcagccaact gctgaccatg atcaagtga tcttgatgag 240
 tcgacgtatg accctgaact tgataagttg cagcgtgaga gaattgctgc ccttaagaaa 300
 taggttgaga agcctgaagt gctaagaagg ctatgtcacg gtgaatacag gaaggtaatt 360

gaaggggact tccttggcga gggtactagc aatgaaagag tcatatgtca tacctatcac 420
cgtgaatcct acagttgcat gatcat 446

<210> 23169
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-024-Q1-K1-F4

<400> 23169

ggacgacatc gtggcgtggc tgagccccag ggtctgacgc cgccggcgcg ttgcggtgct 60
ggccgtanga cgcgagcggc tttttgatca tctgctgagc gcggaggacc tgcaggccga 120
ggacgcctcg cctccggacg gtgggtgatg acgcggtctg gtctggtagg ctgcggaccg 180
agggagagcg ggtgtgcctt ctcgccccct tgggtgtgctg aactgctgat acgatacgag 240
gagcaggaca ggagtacgga gaactactac tacctacggc tatgggcgat ggctttactc 300
gcgcctnccg gtgtgtcccg agattttttt tcggggacac gtacgaatta tgtaacggag 360
ttcgtttcgc cgtgccacac gcacgagcgg tgtccgatac acctatagaa aacgactttc 420
catattgcga gttgtgtgat gtatt 445

<210> 23170
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F5

<400> 23170

ctcacccctc cttcacgcct ccctcaccaa ataaggtccc gccctttttcc gacattcaca 60
gggggggacag gaaatcagcg gccatggcct cgattccggc gactaccttc gccgtcatct 120
tatccgtcct cttctgtgcc gcggctggca ccgtcgtcga caacgacctg cccgactacg 180
tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg gttcgtgacc aatgtcaccg 240
agtacatcgc gggcgccaag gtgaggctgg agtgcaagca cttcggcacc ggcaagctcg 300
agcgctccat cgacggtgtg accgacgca acggcacgta cacgatcgag ctcaaggaca 360

gccacgagga ggacatctgc gaggtggtct tggtggaag

400

<210> 23171
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F6

<400> 23171

cccacgcgtc cgccaaaatg atttgcatga gctatggtca ttgttggagt tcatgatgcc 60
tgatatattt gctactgggg atgttgatct gaagaagctg ctgaatgcag aagatcgca 120
actaatttca cagataaagt ccattttagg gccatttatt cttagacgtt tgaagtcaga 180
tgtaatgcag cagcttggtc ctaaaatcca acatgttaag tttgttgtca tgggcacaga 240
gcagtctgaa gcttacaaaa atgccataaa tgagtaccgt gctgcttgcc aggctcgtag 300
tgccaagtct tcagatggca tttccaataa tgttgctgga ttgattccaa agcgacaaat 360
atcaaactat ttacacagt ttcgtaagat tgccaatcac cctttgctta taaagtgtat 420
ttatggtgac aaagatgttg atcg 444

<210> 23172
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F7

<400> 23172

gtgactcgaa atattcggga ataaatagtt cgtgaatccc tgaagcttgc atatatatac 60
cgctgccaaag ataaaggtaa tggactcgtc acgcaggttc cagccggacg tcatcctgct 120
tctactgcta attgtgtcca ccgatatggc acaggcaagg taatgcgata agtacagtga 180
gctatttggtt ggcgcagtga tgatcgaga caactgcgcc aatgtgcgcc gcggtgaggg 240
cttcttggtc ggcagtgtga gcaccttcg tcgtcgctgc atctgcacta agcactgctt 300
aacaagatcg ctcgatcgct cgccatgcat cgtcaaccta ttattaataa cgtgcattat 360
ctcgtgctta tttatgacga atgtcatgta tgttctggtg actgtcatgc atattctgat 420
gaccggcatg tatc 434

<210> 23173
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-024-Q1-K1-F8

<400> 23173

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ggctgaacca gatgcaggtg ttccaccacc tcggcggcag tcagcagccg tcgttccacc 120
aggacggcag cgcgggcggt ttcggtgaca tcgtctcctc tcgcctgccg ccaactgcaa 180
ccgccagaac gcaggcggag ctacattcga accaattcga cacctccatc agcggcgggc 240
tggtggatca gtcgatgctg atcggcgacg aacacctgct gcggcctaac ccgagtatgg 300
tcaaggtctc ctccatgccc gcgctctcct accgtgagcc ggatgggtcc aggatgctgc 360
cagcccatgg cgccgggagc gacggcgacg tctcctcgct ggggcaatgc ccttcgggac 420
aggacctnca ccgtggtgcg acatggg 447

<210> 23174
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F9

<400> 23174

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cgcgactac aacaggcata ttggcgtctc catcgatgaa gcggacgact aacatgagtt 120
acagcctacg cctgacggcg atgcatacca cctaagcgac accttcggtc gaccacttac 180
tcccttcgac gaaaectgct acacctgctt cagtccctca tccttctact acgcaccgca 240
ctacgcctac tccgagccgt acgactactc tcaccactcc aagccaaagc ccatctacag 300
cttccgactt cagcatgagc aacagtcgta ttactgtagc ggatactgat ccaggccccga 360
acccgtgcc gacgatggct gttgctatgg atctcgcttt ggatc 405

<210> 23175
<211> 444

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G1

 <400> 23175

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 ggtctcgcct ccaaaattca ccttcgccga ttgccgccgt gggccgccgc gacggcgcttg 120
 cggacgcctc gtaccacctc cgtcgcattc tccgctgact cccccctcgg tggcgtccca 180
 ctgcgctcct caacagcctg ctccattccc acgccacctc ctctcgctcc gctgcgacca 240
 ccgaggacca ccagagcggg acgccgcgga actcgtcggc cacgtcctgg ccgtcgcgca 300
 tgctgacgac gagggcgctt ccctcccgga caccctcgac gcggagctcg cgcgctcct 360
 gcgagcgcac ggcgcgcgtc aagcggcgga cgcgccggcg gaggaacagg ttgaggtatg 420
 tccagaacag aggacaggga ggga 444

<210> 23176
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G10

 <400> 23176

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 accgttcgct cgtcggcgcg gccgatgcgg ctgctgctcg gcggataagg gagaaggagt 120
 cggaggcctg ggaggccgcg cggcgccgcg ccgacctgga ggatcgggtc gcgcggctga 180
 gggcggaggc ggcggcgctg caggcaaagg agctcgcgga ccagtccacg gccgcggcgc 240
 tccacgcgca gctgcagcac gcgaggcgca aggccgccga cgccgaggaa gggggcaacg 300
 cggcggacga cgccgggtcg tgcttcgctg acccgacag ggtggtggag atcgccccgc 360
 cgctcgccag gccgtgccgg tcgtgcaggc tgc 393

<210> 23177
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-G11

<400> 23177

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gggggtcttc gacatgtgcc accggtatct gaaagaaagg aagcagttcg gagtccctct 120

ggcggcggtt cagctgaacc aagagaagct cgcccggatg ctcggtaacg tccagtcgat 180

ggtcctcgtc ggctggcgtc tctgcaagct ctacgagtcg gggaaaatga cgccggggcca 240

cgctagccta gggaaggctt ggaactccag gacggcccg c gaggtggtct cccttgggcg 300

agagctgctg ggtgggaacg ggattttggc cgacttcctt gtagccaagg cgttctgcga 360

cctggagccc atctactcgt acgagggcac gtacgacatc aacagcctgg tgaccggcaa 420

ggaggtcacc gtgatcgga gcttc 445

<210> 23178

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G12

<400> 23178

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gggtgccttt ggcccattcg tcaggcgggc cctccgcagg cgacgcaggc gcgggcacga 120

cggcgcggtg ccccgactac gtagacagct aaccggtctc cgccctccggc ctttctctg 180

tcgcccgatt gagtcgctgc tgcaactgcc aacttcaccc ccggcgagct caccacagtc 240

ttccggaaaag gtgctatcaa tttggaagat ggcagatgag gagcaggccc caagctctaa 300

gaaaaggggt gcaggtactc aaatcaacaa ggattatccg gaacctgatg atgaaggaac 360

agaacaagag atgggtacat ttaagaaagc tactgaagaa gttatggcaa cacggaggat 420

tgtaaagggt cggcgccagc agacgtcatc 450

<210> 23179

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-G2

<400> 23179

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 gtcgacgctc tctccgaacg cggctcccta cacctttctc gcgcgtcagt cccgcgcccc 180
 acccggacgc ctccaagatg gtgatgctcc aagggtgatt gataataact ttgtgttgta 240
 tggagaggac aacagttctt attcggtgcc actggcagca caatcaggaa tgaagcagag 300
 tgacactgtt tactcaagca gctcgcattg aacacaccaa ggtcagccaa gctccgcacg 360
 tggaattcct gtcggtgttt atgcatctgc aacgtcctca attgcgatag ttccagagcc 420
 atcagtgacc ataggttctg att 443

<210> 23180
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-G3
 <400> 23180

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 tgctgttcc ttcagatgcc acaaaccxaa atataagaac ttcaatgggt tctgctgcat 120
 atgctcctga gagagatgca atggtctgga aagtaaaatc attccctggt ggcaaggaat 180
 acatgtgcag agcagaattt agtcttcta gcataacagc ggaagaaggg gccccagaaa 240
 agaaggcacc aatacgagtg aaatttgaga taccatattt caccgtatca ggtattcagg 300
 tccgttatct gaagataatt gaaaagagtg gttaccaggc actcccctgg gttagatata 360
 tcacgatggc tggcgaatat gagctgagac ttatatgagt tttctctttt ctggctgatg 420
 gaagacattt atgaaactgc aagatacat 449

<210> 23181
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-G4
 <400> 23181

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gaaagagagt aggtggacgg acggtgctgg catcgccaat tcaactccgc atctgcatcg 120
gcagcgcgcc agctccatag tgtaggagga gatggcgctc acaagaatcg gtcttgctgg 180
ccttgcggtc atggggcaga accttgccct caacattgca gagaaaggg tccccatctc 240
tgtgtacaac aggacaacct ccaaggtgga cgagaccgtg cagcgtgcca aggagaagg 300
aaaccttccc gtctacggct tccatgacct cgcgctcttt gtgaagtcca ttcagaagcc 360
acgggtggtg atcatgctcg tcaaggccgg cgcgccagtt gaccagacca 410

<210> 23182

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-F2

<400> 23182

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ggattagcag gaggcagcgg agatggatcc ggacgcagtg aagtcgacgc tctctaacct 120
tgccttcggc aacgtcatcg ccgccgccgc ccgcgacatc cagaaggaaa tgggtggctaa 180
agacaaggct caagcagcac ctgcaagcca tgatgaagtt gatcttgatg agttgatgga 240
tgaccctgaa cttgagaagt tgcacgcgga gagaattgct gcccttaaga aagaggttga 300
gaagcgtgaa gtgctaaaaa ggcaagggtc cggatgaatac agggaggtta ttgaagggga 360
cttccttggg gaggttactg gcagtgaaag agtcatatgt catttctatc accgtgaatt 420
ttaccgttgc aagatcatgg ataagcatt 449

<210> 23183

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D8

<400> 23183

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agaccatcgt cgcagcagtc ctctggtgtg ctctcgtggt ttcgacgac ccagccagcg 120
ccgatacgaa cctggaacct gcaggaggct ctacggaggg cagtgcccg accttcggca 180

tgcagaagga agagacccga ggcaacaaga agccagcgac cctcgctgga tctcttggtt 240
caggcaagaa tgccatctac gggtaaataa ttagaaggaa tcttgcttcg gaaggtatga 300
aaacaatggg gatgtgctca acaatcaatc tcaacccag gtgacggcaa tgagtcaccc 360
acaggaatgt aaccggatat agatggacat tgctcggtcc atatttcttt ttcataatttt 420
ctcttcaaatt tcaattgaaa ta 442

<210> 23184
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D9

<400> 23184

gcgcgagcag gcaactgagcc acctcgcgat ttgacacgta tccgcagagg tggccagcga 60
gtggagctat gagatgccag gggccaatcc ggacccggat cgctctctac cggatagcga 120
tggagagggg gaggatgcta ttacaagcaa tcagccgtcg cacgatcgat acgctgactt 180
gcacgaccac tatagtcttg ttgcagataa tgcattctaat cactagatgc tgcttaggaa 240
gttccactta caccatgaca tgctcaacta acgaattcac cacctgcaac actaggtgga 300
ttcagaggag gctaccaacg accta 325

<210> 23185
<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-024-Q1-K1-E1

<400> 23185

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cagcgtcggc tccccgtctc cctcccttga gtcccttctt ccagatctcg gcgcgagttc 120
accctgcaga ttgactctac aatacatcgg cgaggaagaa gagctgcggt tcggaagagt 180
aaactctacc cgccgtctcg cgccggttga ccggcgcgaa ggcgagatcc gggcggagat 240
ccagggcgcg gcgcgggcca tggcgagctc cggactcgcc taccgccgacc gcttctacgc 300

cgccgcggcc tacgctgggt tcggagtcgg cgaggccacc tntccgcag ctatctcccg 360
 cttccagaac gacgtcgccc tctctctcta cggcttgac cagcaggcca ctgttgggcc 420
 atgcaatgtg cccaagccaa gagcgtgg 448

<210> 23186
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E11

<400> 23186

gacacgcttg catgcacaca caatgcatg tgagccttgt tctctctggt cctcttcttg 60
 ggggtgcatg gtgagaagga agagtcaaag ggcacgatg cgaaagcgtc cggacctggt 120
 ggggtacttcg acatcaccaa gttgggcgcc tacggcaatg gcaagacaga cagcactaag 180
 gctgtgcaag aagcatgggc ataggcttgc ggctgcactc ttaaacagac aatcctcata 240
 cccaaaggac acttccttgt cctacaacta atcttcacag gccactcaa gggcgacttg 300
 accatccaag tggattgcaa tttgctggcg accacagacc taagccagta cacggaccat 360
 tgtaatcata tccagattct actcgtctat 390

<210> 23187
 <211> 121
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E12

<400> 23187

ctttgtagct aggggtatag tagtgctgt agggggtgca tcgatcagtt tggtcatttg 60
 ggtaaaatgc ttgtagttga tggtttgac ttcgaataat aaaaatacta cttcccttct 120
 c 121

<210> 23188
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E2

<400> 23188

cccacgcgtc cgatgagaac gaaggcggct cggagacgaa tgccagtcgc gtttggcacg 60

acaatacaca agtgtccacc ggagtagctg gacctctcgc aaccgcacgg taggaggacg 120

tgcggcgggtg gctgcgcctg tgcacggat ttcgtttgtt ttctccatga attttgcac 180

gcgtgttagt gtcacctaat atttggggca aaacatatgt ttagtagagg gatatgggtc 240

gactcagatt aagtaattag cgagccaaat gtggtatcgt cgtccggta ttggtaatgt 300

atctgctgtg gtataaatgt atctgctgtt ggtatacatt atgaaatcac attttaattt 360

tctatgtaga gaccgacggg ccattttatc ctcttgtaga tcacatgtgt gaaatgaaag 420

tgtgggttct aattgagggg ctgtttg 447

<210> 23189

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E3

<400> 23189

tgcactcttc cgcccacgcg tccgctttat tattattatt tcattcctca tgttgttggt 60

tgtttcatgt tttttccacc actaatattg tcctaattga tgcatacaag ttgtcactca 120

aagcattttc tatgctttac ttattgggta aataaataca aaggcttcct ttacctatg 180

agctatgttt agttcatcgt acatgtatct cattggaaga ggtgatgtgg agtcaacaaa 240

atcctatatg gtgggtaaca catgtcagtt caagtatga gctaccaaac aagtttcatg 300

agtactagac gagtgcctatc cctagtcaac cgtcct 336

<210> 23190

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E4

<400> 23190

ggcgtgcaca gacaatgcga tgagagcctt gttcctcctg gtcctcttct gcatcgtgca 60

tggtgagaag gaagagtcaa agggcatcga tgcgaaagcg tccgggcctg gtgggttctt 120

cgacatcacc aagttgggcg cctccggcaa tggcaagaca gacagcacga aggctgtgca 180
ggaggcatgg gcatcggcgt gggcgggcac tgggaagcag acaatcctca tacccaaggg 240
cgacttcctt gtcggacaac tcaacttcac aggcccttgc aagggcgacg tgaccatcca 300
ggtggatggc aatctgctgg cgaccacgga cctaagccag tacaaggaac atggtaattg 360
gatcgagatt ctacgcgtgg ataacctggt catcacggc aagggaaacc ttgacgggca 420
gggccagcc gtgtggagca agaac 445

<210> 23191
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E5

<400> 23191

cccacgcgtc cgacattatt acgggaacaa aaagaaaaaa aacacgagaa aaatcaaadc 60
aggagacggg gattccagag agccccctgtc gggtagggaa gggaaggaga ggcgaagcgg 120
aggcgagatg gggcgggccg aatccgtgcc ggagacctcc atacacgaat tcaccgtcaa 180
ggattgcaac ggcaaggaag tgagcctgga aacctacaag gggaagggtcc tccttgttgt 240
taacgtcgcc tccaaatgtg ggttcacgga gaccaattac acgcagctga cggagcttta 300
tcagaagtac agggacaaag acttcgagat attggcattc ccttgcaatc agttcttgcg 360
acaggagcca ggtactgatc agcagataca agactttgct tgcaccagat ttaaagctga 420
ataccaggt tttca 435

<210> 23192
<211> 159
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E6

<400> 23192

ggaatagaga aggcacttcc atttctaaaa cccttgattg acttgccatt cattaaagca 60
gtcatccaag ggtttcttcc tggaattgct ttgaagatct tccttatagt gcttccaact 120
atactgatgt ttatgtctaa atttgaagga ctgatatcg 159

<210> 23193
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E7

<400> 23193

cccacgcgtc cgcccacgcg tccgcttgat tattattatt tcattcctca tgttggttgt 60
tgttgcatgt tttttccacc actaatattg tcctaattga tgcatacaag ttgtcactca 120
aagcattttc tatgctttac ttattgggta aataaataca aaggcttcct tttacctatg 180
agctatgttt agttcatcgt acatgtatgt cattggaaga ggtgatgtgg agtcaacaaa 240
atcctatatg gtgggtaaca catgtcagtt caagtgatga gttaccaaac aagtttcatg 300
agtactagac gagtgctatc cctagtcaac cgtccttggg aagtacagag atccgaaaga 360
aaagatatac aatagtttct gctatacttt gtagtatatg taagtctt 408

<210> 23194
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-E8

<400> 23194

cccacgcgtc cgggcagggg agtggagggg aggggaagca tcgcaattcc gaacccccac 60
gtcgccgctc ccaccaccgc ggccgggttg cgtccgtttc gattgcccag gatgagcacc 120
gagtccgggg agctgctcgg gatcgacccc gtcgagctcc ggttcccatt cgaattaaat 180
aagcagatct cctgcacgct gcagctgacg aacaagacag acaagcaggt cgcgttcaag 240
gtgaagacga caagcccgaa aaagtactgt gttcgcccaa acaacggcat ggtggcgccc 300
cgggtccaagg ctgacgttgt tgttacgatg caagcgcagc gggacgtgcc accggacatg 360
caatgcaagg acaagttcct tgtgcagagc gccaccgtcg ccaaggaggt cgtgccaaag 420
gaggtcactg gagacatggt taccaaa 447

<210> 23195
<211> 358
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-E9
 <400> 23195

cccacgcgtt cgccacgcg tccgcagatg cttcgacgac agcagtggcc ttcaagcatg 60
 gcgtcctcat gcgagtaagc atgggcagcc ttcgtcctag ctggcatagg cagactcctc 120
 ctcgcacctg aagcgaatcc agagtcaatg cctgggctct gtaccaatgg gcgaaattat 180
 acggcccata tacacgcaa gagacggcaa gctctccacc gcctgaagcc cgggcctacg 240
 gcagagagga ccttccatgc gggaacagga ggcttcagcc cgcagtaaac atgacacagt 300
 gtccgtatgg agatctacgt cgttcgagga ctgagagagc tacttctgca taccctc 358

<210> 23196
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-F1
 <400> 23196

cccacgcgtc cggtttttttt ttttttttac cgtcaaacc tcgatatcga taaatacagt 60
 aggtgaggac atgataccct gccaaatggg aataaaaaag caatgacacc accagaaata 120
 caaccattcg gtggacttga tttcttttct ttaattccac agcttcatct gttgttttca 180
 agtataatat gtacagattg ccttgcaatc ctgaataatg ccggatcttc aggtcaatac 240
 tgatccagca cacctagata gcaatgcatg atggagaaat atctagtttt tttctacaag 300
 ggaagtgcag gttcttcagc tttctttatc atcactagag cctcctttca atgactgtgc 360
 ttcaaacatg aaggtagaac actcagaaac caccttgtag aagtacttct tccttagctt 420
 gatggccaag cgtacacatc tttttaca 448

<210> 23197
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-F10
 <400> 23197

gccctacatc gtgagggcgc tccttttttt ttttttttga aacctatccc tcctctatag 60
 tgcgcattaa aacacgtata gggccgactc attctagtaa acgaaccaat taaacacatt 120
 caggctcact cccaaccccc ctaggtaccc attctctgca tcaataactg tagcttcttc 180
 accagcccag ctaccatgat catgttctct aactgccaca agcttatgat aaccaaccaa 240
 cttcacgcca agctagctgc ctcttttata gacagaatcc tgaactgaac ctactcactc 300
 atggagccgc ttgttgctgc caccaacact ttactagctg ttgccc aaat ccagtcgcaa 360
 actatcaacc tacaacatcc 380

<210> 23198
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-024-Q1-K1-F11

 <400> 23198

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 gggtcgtcgg tgtggtcgcc accgtcaccg gtcctggcaa gaaggccggc gacaacttca 120
 cgggtcccggg ggaggcttcc cttgccacgt ccggcaagtc ggtcaagtcc ctgtgcgcgc 180
 ccaccctata caaggagtcg tgcgagaaga cactgtccca ggccaccaat ggcaccgaga 240
 accccaagga ggtgttccac agcgtggcca aggtggcgct ggagtcggtc cagacggcgg 300
 tcgagcagtc caagtcgacg ggcgaggcca aggccagcga ctccatgacc gagagcgcgc 360
 gcgaggactg cangaagctc ctggaggacg ccgtcgacga cctgaagggc atgctcgaga 420
 tggccggcgg cgacatcaan gtgctgttca 450

<210> 23199
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-D7

 <400> 23199

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 atgctgtgta gccaggagga tttcccgtg gatctacgca tgaggatcgc gatcaagacc 120

gcggaagcgt tgcagtacct gcattcgtcg gaaactggcg tcaccggaca cggcagcgtc 180
tcggcggtcca ccatactcct cgacaacaac ctcgtaccga agctcaccga gttctcgagg 240
tcatgtacgc tgttcaagaa gagcgagact acttctgttg ttgggtgctgg agtgatgata 300
actggcagcc ttctagagaa agctctgaac gacgaccgt cccgctacgg ctcggtgttg 360
atgaacctgg agagcgacgt gtacaggttc ggcggtcgtc tgatggcgct ggtcagcagg 420
gacggcg 427

<210> 23200
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C11
<400> 23200

cggacgcgtg ggcggtcgtg acccaggcct caacaccaaa gccatggcga cagcgtctgag 60
gcgcggggtc cgctccgggc tccgcctcct cgccgccggc gccgaggcgt ccaagccagc 120
tgctcgtgga ttccatgcca ccggcgtgaa gagaatggga gggcatggcc atgatgagcc 180
atactacatc catgccaagc acatgtataa cttgcacagg atgaagcatc agggtttgaa 240
ggtgacactc tccgtgctgg gagcgggttg catcgggtgt ggagtccctg tgtatgcagt 300
catattccag cagaagaaga ctgcctctgg ctgagatgat gcctctcgtc gcctgcatac 360
ggagacttgt tttagcgcac atttttttga agttaaagc ttggacttca tcctatcttg 420
gttgttgctt gatactgcat tttcttacca ta 452

<210> 23201
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-C12
<400> 23201

aacgtacttc gatcctcaag tgatcttaat tgttatgaag ctaccagcta gtggagatca 60
ggggcaatgt caaacatcgg gcaatccttc caggctcgtc aggcgcaggc ccagggcgag 120
tgccaggcgg agcgtcgaat gtatagatat atggacgtgt ctcggtccac cgcctgcgcc 180

atgaccgaca ccgacggagc cgaggctcgac agcgcgcagc atgaggagca ccgcgccgca 240
 cggcaccgtt cagcatgctg atgagcaagt ggcgcagacg gcggctgacg cgatggcagc 300
 cgtcaaggac acagtggcag tcgcggccgt ggccgtcaag gacacggtgg cggacgcgga 360
 ggcaggcgcc aatgacaccg tgaccgacgg ccaactgaccg actcacgcgc gtgaacacga 420
 cagcgtacca acaatgct 438

<210> 23202
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C4

<400> 23202

gccaaaaggc actgaagaag ccagtcaata gcgagttcta ctactagtag ctagcctgct 60
 gatctgttct gttgtttagt tcgcaaagcc ttctgtttcg gcgaccatgg aggatgagag 120
 gaacacccag cagcaccagg gcggtgaggc ccagcaggac gccgccgatc aggtggacgt 180
 gaaggatagg gggctcctgg acagccttct cggcaggaag aagcacgacg acgaccagga 240
 gaagaagaag cagacggatg agctggcgac cggcatggag aaggtcacgg tgtccgagcc 300
 cgagaagcac gggcacaagg aggaggagca cgaggtcgtc ggcgagaaga aggagggcct 360
 tctcgccaag ctgcaccgca ccagttccag ctccagctcg tcgagcgacg aggaagagga 420
 ggcgatcgat gagaacggcg a 441

<210> 23203
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C5

<400> 23203

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 gggcagcagc acggcgcttc gtcgcacgag gcgccccgcc cgaacatcac gccgcggaca 120
 acagccagga ataagcagca gcacctgccg gtgagccccg gggcgtgcct ctgctcgccg 180
 accgttcacg agggctcgtt ccggtgcagg ctccaccgcc gcagcggcag cggctccggc 240

ctccacgaga tgaagatgag caagaaggcc ggcgtatgac gacgcgacgc agcggggcggc 300
gacaagcgtt cgtactacgc cttaccgcaa atgcacaggt gcctttgcct gcatttcggc 360
ctctgctttt gtccctcat ttgttttcgc tgcatacagt aatacagaag gggaagagta 420
ccttgttttt t 431

<210> 23204
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C6

<400> 23204

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cggaggaagg cccatgtgat cctattgctc ccttagatct tccacattcg ttgcatgctt 120
tccaccgcgt atcagcttgt gactctctca atttggaggg ataccacaca ttccgtggag 180
gattctggaa ttatttttagc ttgggaatgg atgcacaagt atcctatgaa ttccactctg 240
aaaggaagag aaatccagag aagttcagac accagctaag aaatcagggt acatatgcta 300
agcttggatt taagcattcc ctaaaccatc ttcatcagag gaacatttct caacttgcaa 360
aggtgaagat catgaaaaga cctgggtccc aatgggaaga gctgaagatt cctcgcagca 420
ttcaatcagt tatct 435

<210> 23205
<211> 141
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C8

<400> 23205

cacatacaca gactgacaag aatttttcac aaccctagaa gacacactgc cagagagatc 60
tcttcacaaa ggcgtcgagc ctctccactc ggccatactc aacgacaacc tcaactccct 120
cgacaatcac ggcttcaact c 141

<210> 23206
<211> 366

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-C9

 <400> 23206

 cgaacgctta cgcttgctcg gctgtgaaca tttcacatgg agattgacgc agcgagagct 60
 gggg'gcctt catgggcatg cgagcgctaa catcggctac aaacgatgct agggcccata 120
 acgatcagat gtatgatgac atccgtctag actgagatcg atcagatcat gtactagagc 180
 gaccggcagc ccacacgtta gtatacgcg aaggtggaca catagaacga ttatgcatgg 240
 cagctccttg ctaaccggac cgctcgctact ggagacagag actatctgtc atagagtact 300
 gcattgctgc ctactactac tagtcccaa cgcttgctcg tagctactac tacctcaccg 360
 tattac 366

<210> 23207
 <211> 334
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-D1

 <400> 23207

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 catttcctta tctaggggtg caatatcaag tcaattccag ttctaacctt aactcaactc 120
 tacaacgtca tgtaaattct accttgtaat tattcgtgcc ttggttggtt ccgttggttt 180
 tttttctccc attgctttca aaaacatggg ttacacctt taatcaaaga agattgtaat 240
 atactaatca ctacttcctt gcccttcaaa aaaataatat atttataatt ttatttat 300
 ttattatattt attatatatt taattatata aaaa 334

<210> 23208
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-D10

 <400> 23208

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ggcgctctc ctggcgtcga tgctgctcgt cgggctcgcc gtgggctccg aggaggagga 120
ggacggcggc ggcaaaaaga agccccacgt caaccacggc aagtttaagg cggagccgtg 180
gacggacggg cacgcgacgt actacggcgg tcgcgacggg ttaactgaca ccacggacgg 240
cggcgctgtc ggctacaagg gcgagctggg gaaagactac ggcaccctga cggcggccgt 300
gggcccgtcg ctgtacacca acggcaccgg gtgcggcgcg tgctatgagc tcaagggccc 360
caagggcacc gtggtggtga cggccaccaa cgaggccccg ccgccggtga gcgggcagaa 420
gggctagcac ttcgacctca ccatacc 447

<210> 23209
<211> 449
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-D11
<400> 23209

gaaggcaata tggaactaga aaacttcaac tgactctcga ataaggcagc atacttataa 60
ggggtgatgc agacaacaaa ccggatcact aggaagccag tgtcaagta atccacattg 120
gtgattcagt ttgagtagtg aaaatatacc gctaccaact ctcaatatcc tgaagttcag 180
gaggtctcat caatggatgc actgtattac atccatgtcg aactcattct gtgtcaacta 240
tgtttggtct ttccttggga gatattctga tgcaagcata agtgacattc atggaaatgc 300
tgacttaata gtaagtcatc tgtaccactg taccattagc catctcagtc tgagttcaga 360
tttgtatctt ggtgttactc atgaacacaa aaggcatgta ttataagaaa gattgttcat 420
tcatttttagt cataggcatg attgatatg 449

<210> 23210
<211> 418
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-024-Q1-K1-D12
<400> 23210

actagaccag cgcgacatag caactgaatg gtgcgctggc agctgtagtc ctaaagcatg 60
gggagcatga tgacctgggt tctgcatctg gtcatgtggg ctcttatcat atactgagtc 120

ttttccgccca cccacttttaa aaaataaaaa aatgattaat tttatacccc cccttaaatt 300
 tttaaaaaaa acaattttttt acccccaaaa aaaaaggacc tccaattttt tttccattaa 360
 aaatttttcc actttgacac ccttttttcc cccttcaaaa aaattaaaaa cttttttttt 420
 ttttttc 427

<210> 23213
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D4

<400> 23213

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 tgaggccacc atctccacac ccaaggttgc acctgagacc actgccatcc acattgaggt 180
 tgcggcgaaa caggcagtag ttgagaaggt ggaggaggac aaggaggagg cactaacagt 240
 ggcggcgaaa caagagccag cagccaccat cgagcctcaa cagattgctg gtgaggtgac 300
 cacttcgaa gtggcggtcg tegtgtcga gcctgagaac aaagaggagg aggaagttgt 360
 ggagaagacc gtcacgaga aggagaagcc atcagcagtc catgaagagg aaaatatcgc 420
 caccgacaag gtggcagccg agcccacaac a 451

<210> 23214
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D5

<400> 23214

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 gaaacaaggc cttagcgagt gttggagtag caagtcagtt ccagttcgaa cctcaacgca 120
 actctacaac gtcatgtaag tgcgacctgt aattatgcgt gcctgggttg tttcggtggt 180
 ttttttttct cccattgctt tcagagacat ggttgacgcc tgtagtcaa agaagattgt 240
 aatatactaa tcactactcc cttgccctgc 270

<210> 23215
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-D6

<400> 23215

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 agacaaggaa atgaatgaca acatagtttt gcaactcatg caacaacttg aggcaacaaa 180
 aaagttccat gaggcagaga caaacgagaa ggaggattat agaaatatta atatgaaact 240
 taagcaggaa ttcgaatcat taagatcgtc atatgaggag agcagcacgc tgttagaatc 300
 taagatggaa gacgtagtta aacttgttac agactacgta acgaatgaca acataatttt 360
 gcaactcacg ctagaacttg acgcaacaca atagttgcat gacgcagaga ct 412

<210> 23216
 <211> 361
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-C10

<400> 23216

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 ccttgacgtg aaagcctcag ctgatgccac tatatccaca cccaagcatg caccttatac 180
 cacttccatc cacattgacg ttgcggccaa acagtctgac attgacaaga cagaggaaga 240
 caagtatgat gcaactaacat cgacggcaaa tcaagaccca gcatccacca ctgatcctaa 300
 acatattgct ggtcatttca ccacatatga attcgcggac atcactgcat agcctaatat 360
 c 361

<210> 23217
 <211> 395
 <212> DNA
 <213> Zea mays

60 120 180 240 300 360 395

<223> Clone ID: LIB3066-024-Q1-K1-A7

<400> 23217

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cccagatagc cttcctctcc aacaaatatt ggattctctt acttcattac gtgatggctt 180
gaagttctct ggcagatgcc gctaatcgat gggaaaggag ttgattagag agatcactga 240
tctaggacac aggcattgaca tttatgtgag cacaagtcac cgggcacagc atttgctgcg 300
ccgaggaccc ttttctttca aacgatatgt agatgcatgc aaggccttaa ggtttgacac 360
tactgagctg aatgctcggg ctctcaacct ccctg 395

<210> 23218

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A8

<400> 23218

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tcgagcatcc ttgttttcca aggacgatga tgctgtcaa ttttgatgcg ggcgatcctg 120
tctgctcttc gctttcttca tctttgcttt aaacctcagt ttcagtacca gtgtctccat 180
agtgtggaca aagttgccga ctgccataac caccagcaag atcccgcaga ctaagacctg 240
ccattcggaa gcaagcccat gcaaagccgt ctgaagaagc aaaactccaa catatgcttc 300
gaaacctgt aatatgaaaa ggacaggata tagcagcaag agctgcccct ccacaccagc 360
tgtttcgcca gcaacgacat ccattctttt agcctttcct agagctattc gagtacgcaa 420
tctttgccgc tggatatctat tct 443

<210> 23219

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A9

<400> 23219

Sequence of the

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441

<210> 23224

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B2

<400> 23224

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gcggaactg gctgaatgta attgaggagc atcatctgaa gtacttgggg agctctcagg 180
taacctggac attggctgct ctgttggagt aagcaccaga tacctcgccg agaagttccc 240
atcagctcaa gctgttgggc tcgacctatc accgtactgt cttgctgtgg cggcacaaaa 300
ggaagaaaaa ctgtcacggc caaagcctat tcgctgggtt catgccaatg gtgaagcgac 360
cggcctgtct tcagattcat ttgacctgtg ctcccttgct tatgtgcacg agcgataacc 420
ggattggtga aggaagcatt c 441

<210> 23225

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B3

<400> 23225

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tatgttagtg gtggtcttta ctcaaggagc ggtgggatgg ttctgcacac ttttctttaa 180
ttttcatggt tgtttgcgca attcagtttc tttgcaatat ctctttccat gacgtacett 240
catgttcttc tatttcaaaa atagtctgca gtttaacttg tcatgtatgg aatcctcacc 300
tcacaaaata tggctcttat cgattgcttc ttgaattcat ggcaggcaaa aactggatta 360
aagcgatggt tcttacagca tccctctttc cgttcttggtg tttttcaatt ggtttcatgc 420
tgaatacaat tgccattttc ta 442

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<210>      23226
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<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-024-Q1-K1-B4

<400>      23226

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atgacgcgcg atcttgggca gaagtgggtgt ctacggagga gatactgacc acattcaacg  180
agtacggtct gctgctgacg ctgagagacc acgatcttct gatgcactga gtgtttgacg  240
cacacccttg ttgatcaggc accaatcgtg ctgaagcctt cagaacacca gtctgagcag  300
gaggcgcttg atatagcgat cacatagttg ctattgaagt catattacaa aattgtcacg  360
aataatgtgg aggacttaat agcaatagct gctatgcac tgtcgagatg tgattcatat  420
tcgattgtac tttcaggtaa tcatacaaaa                                450

<210>      23227
<211>      434
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-024-Q1-K1-B5

<400>      23227

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gggacttgca acaacagtcc ctgaagttac cggcggctag cccatatgac aatttcctca  120
gagctgctgg ctgttagagg tccagcttgc agcatccaaa acatcattta catggactat  180
ggcaatttca agatagccac gaactttcca ttccgcagga aatcaaggaa gaggtatgtc  240
cgtgtatgat gtcttagcta gagactcaac cggattcgac acccattctt tatgtatagc  300
tgtatatatg tataggttgg ctctttgctg ctgctgatgc tgctgctctt gccaatgcaa  360
cgagtagaag gactgggggg gagcattgcc ttctatcaca gactgtacat gtaaacaatgt  420
tcgagaaata tatg                                              434

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<210> 23228
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B6

<400> 23228

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caaaaatggc ataaccaaag agcgtctctt gagctatgat cgtgctattc attcagaacc 180
aaatttcaga agtgaacaga aggcggggtt actccgtgac ctgggaaatt acatgagaag 240
cctaaaggct gtgcattctg gtgctgatct tgaatctgct atagcaagtt gtatgggata 300
caaatcagag ggtgaagggt tcatgggttg tggtcagatc aatccagtga aggggttacc 360
atctggattt ccggagttgc ttgaatttgt gcttgaacat gttgaggata aatcagcgga 420
accacttctt gaggggctat tg 442

<210> 23229
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-B8

<400> 23229

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agtactcgac cagccctctc cgctcttgtc tccgatggcg gctcgcgtcc tcgcggccct 120
cgccctcgcc ctgcacctcg tcgccctacc cgcgccacg cgggcgtcca acgacgaggg 180
ggacgcgctc tacgcgctgc ggcagcggct gtcggacccc aacggcgtgc tgcagagctg 240
ggatccccacg ctcgtcaccc cctgcacttg gttccacatc tcttgcgacc aggtcggccg 300
cgtcgtccgc ctggacttgg gcaactccaa cgtctccggc tccatcggcc ctgagctcgg 360
ccgccttgtc aacctcaa atctggagct gtacaggaac aaccttgacg gcgagatccc 420
caaggaattg ggcaacctca agaac 445

<210> 23230
<211> 307

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-B9

 <400> 23230

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 ctcctatagc gcggcgctgg acacgctgac attaaatggc agccagaggc aaacatctgt 180
 ggctgactgc tggcggccag agtgtgacgt cgcgacgctg aagacacctg tgcacatagt 240
 taaggcagcg taggagtcac cgcaggctaa gagcgctgta gcatctaatt cagttgatac 300
 gaacaac 307

<210> 23231
 <211> 289
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-C1

 <400> 23231

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 gtgcatcatt ttacgtttcg ctagtattata cgtgaatctc tgaataaaaa agagaaaaag 120
 aaaagaaaag agagagagta gccacttgct agtagctggc tcagtgcgcc ggcaaattaa 180
 tggccatctc cctggtaaag gtagtcgaat gttcttgtaa tcttgtaaat tggaagctac 240
 actgcactgg atgcatgccc accagtcgaa ctgagcatgc gatttttttc 289

<210> 23232
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-024-Q1-K1-A6

 <400> 23232

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 caagatggaa gaacaaaaag catggcagtg tcgtaagctg cctaaaagag taacaaacca 120
 agcaaattctt aacatttttaa catcccaggt cgctatgttt tgccaaaaaac tccagaaaaa 180

ttattcatgt cgtctagtat tatattaata ataaaaagaa cagtagagca ggtcctgttt 240
 cgcccgagac tccaggtcag ttcttagcat tgaggtcatt ccttatcttg atcctggatc 300
 ggttgtccaa cttgacaaaa cgcttcaggt cttcataaga gagtgtcttg agatctttcc 360
 ttcgcagctc acttagtaca ggacgcttgt cgagcaagtg ccac 404

<210> 23233
 <211> 231
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H12

<400> 23233

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 caaattgcaa aagtaacaat catgaaagga gctgttacct tctggaagaa acttagaatc 180
 atcacagcat tcgggtccatc gtgtgtctga atttgcttag tttttctgga a 231

<210> 23234
 <211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-023-Q1-K1-H2

<400> 23234

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 agacaatgca ataaaagcag gcagtgtcga gggtaaccg atgatgtcgt cgctaaagac 180
 atgcaaggag agctacgcgt cgctggtaga ctccatcaat accacgcgga acacgctcaa 240
 aagcggcggc agcaatgcag acctcatgtc ggagctatcc gcggcggaca ccttcgccac 300
 cgactgcggg gacaccttcg acgagcgacc agacctcaac tcacccatac ccggtgcgca 360
 gcgccacgtc aaccgnetca tcagcaactg ccttgaccta gcagccacca ttaaggaaca 420
 accctagatg cctatgatgt ggacactgaa naaatttatc tacaactgg 469

<210> 23235
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H3

<400> 23235

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 ttccgatcca tattatgggt tcaaagcagc agcagaaaca gttcctggat gaagccatga 180
 tcaagcagcc gacaccggag gaggaccgtg agggcgcatg gccctcagt ctgacgatca 240
 tcggcttttg attcctaacc ttcaactcat tcatggctgt gtacagggtca aatggagatg 300
 ttggatctat ctcttttgtg gtcttctctt acctggctct cgttctgctg ttctactgcc 360
 tgcgccgatt cgagacaact tcaccagagt cgcctagccg ggagcacata aaaatggccg 420
 tgtgggtact caccacgatg ctactgctg cgttctcata c 461

<210> 23236
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H4

<400> 23236

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 ggcgacgacc ttgcgcgtca tcttatccgt cctcttctgt gccgcggctg gcaccgccgt 180
 cgacaacgac ctccccgact acgtcatcca gggccgcgtc tactgcgaca cctgccgcgc 240
 cgggttcgtg accaatgtca ccgagtacat cgcgggccc aaggtgaggc tggagtgcaa 300
 gcacttcggc accggcaagc tcgagcgctc catcgacggg gtgaccgacg cgaacggcac 360
 gtacacgatc gagtcaagg acagccacga ggaggacatc tgcgaggtgg tcttgggtgga 420
 gagcccgcgc aaggactgcg accaggtgca tgcggacagg gaccg 465

<210> 23237

<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H5

<400> 23237

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gacgagtgca agctcaagtt ccaggagctc aagtcgaagc gaagcttccg gttcatcacg 180
ttcaagatca acgagcagac gcagcaggtg gtgggtggaca ggctggggca gccgggcgac 240
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ttcgacttca ccaccgacga gaactgccag aagagcaaga tcttgttcat ctcttggtcc 360
ccggacacct cgagggtcag gagcaagatg ctgtacgcga gctccaagga ccggttcaag 420
agggagctgg agggcatcca gctggagctg caggccac 458

<210> 23238
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H7

<400> 23238

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tctttgagct gcactcgatg tagtatggcg cgcctatttg ctttcttagc tcctctccct 180
gagcagtagt gataggaaca gcaccaggat gatccacaaa gaactgcttg tcatctcgaa 240
gatcaagctt tgtccctacg agaattattg gcacaccagg tgcataatgc ttcagttcag 300
gtatccactt cttcgaaaaca ttctcatagc tggctttact gatcagcgag aaagccagaa 360
gaaaaacatc agctccacga tagctcagtg gtctcaggct gttgtaatcc tcaagacctg 420
catgctcatt tctacacct tctac 445

<210> 23239
<211> 273
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-H8
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<210> 23240
 <211> 437
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-A1
 <400> 23240
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 agtattgctc cttttttttt ttctatgggt ggacttgagt gctgttttcg tatttgcaact 300
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 cgttgattac atacctgtct tttgcacctt gtcggaagtt ttgctactta attgaatgag 420
 tgaggggaact tgtttgc 437

<210> 23241
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-A10
 <400> 23241
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tataatctaa caacgtagct gacctgggca aattgccagc ctgacagggg ccagcgtgct 180
cgaatgtctc actctcaccg acgactaact ttccatcaaa attgattctc gttcatactc 240
catagcatgc acagattgat tgaactgcta cttgagattc ttgtcattgt tattagagag 300
agagacagag acagaacgat tggcatagca tgcaaaattg tttggaagaa gctagcaaag 360
cagttccttg attgta 376

<210> 23242

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A11

<400> 23242

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ctacacgccg ccgtcacgtc accgggacac cagcagcagc acggcgccctc gtcgcacgag 180
gcgcccgcgc tgaacatcac gccgcggaaca acagccagga ataagcagca gcacctgccg 240
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ctccaccgcg gcagcggcag cggctccggc ctccacgaga tgaagatgag caagacggcc 360
ggcgtatgac gacgcgacgc agcggggcggc gacaagcgtt cgtactacgc cttaccgcaa 420
atgcacaggt gcctttgcct gcatttc 447

<210> 23243

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A12

<400> 23243

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tatactacat atttaacacc ataacttacc acatcaaatt gcaaacctga cacaatcac 180

tcgtcacgaa tgtctcacag tgaccgtcga cacactcacg cttaatatc acccttaacc 240
 ataatccata ccatgcacac attgatcgaa atcctactag acattattag cattgatatt 300
 acatagacat acaaacacag aacgattgce ataccatgca taatactacg acagaagcta 360
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<210> 23244
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-024-Q1-K1-A2
 <400> 23244

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 cgctctagac gatcgatggc cgcgacggcg gcggaggaga tggagaggat ggtggaggcg 180
 gagtgggagg aggggaagca ggggatgagg aagaggaagc ggtacgggct ggtggagtac 240
 cgggcgctgc cggettacct gcgggacaac gagtacatcc accgccacta ccgctgcgag 300
 tggccgctcc cgcaggtgct gctctccgcc ttctccatcc acaacgagac cctcaacgtc 360
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<210> 23245
 <211> 444
 <212> DNA
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 <223> Clone ID: LIB3066-024-Q1-K1-A3
 <400> 23245

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 aaccagcgcc gcgcgcgcgc agcacgtcgc gcgacgttgc ggcaggcgag atccgagaac 120
 actcctccct cgcgcccccg caccgcgatg gccgccgctg gccgcagata gggaggcgca 180
 ggcggggggc tgcagatcca gatccggtgg gcggcgagga cgagatcgcc ccctaccacc 240
 atggcgggcg ccgtgtcggc gctcttctct ctggacatta agggccgcgt cctcgtctgg 300

cgcgactatc gtggtgatgt ctccgcgctc caggccgagc gcttcttcac caagctcctc 360
gacaaggagg gcgactcgga agtccactcg cctgtggtct acgacgacgc cggcgtcacg 420
tacatgttca tccagcaca caat 444

<210> 23246
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A4

<400> 23246

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gtgagcagcg gtggttaagaa aggacggagt ggatgcacag gcttctgaga aaactcaaaa 120
atcacgcgcg atcttgggta gaagtgggtg aaatggagta gttactgacc acatccaggg 180
ggtacggcct gctgctgagg cagagagacc aggatcttct gatgcagtga gtgtttgacg 240
cacacccttg ttgatcagcc accagtcgtc ctgaagcctt cagaacacca gtctgagcag 300
gaggcgcttg aaatagcgat cacaaagttg ctattgaagt catattacaa tattgtcagg 360
aaaaatgtgg aggacttaat accaaaagca gttatgcatt tcttggtatg tgattcatat 420
ccgat 425

<210> 23247
<211> 306
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H11

<400> 23247

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cggcttccct tccctcgcca aatgctgcgc cgcgctgcgc ctgccggggc tcggccgcgc 120
cgtccacgcc ctgcatttc tcgcgggcgc tgccgtctct cgcgacgcct tcgtgcgcac 180
ctatctcgtc gacatgtacg ccaagtgcgg caggcttccc gacgcgcacc gtctgctcga 240
cgaaacgcgg tgctcgagcc ggacgctggt cggcctggaa ctgcatgac ctggcgtacg 300
gacgga 306

<210> 23248
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F7

 <400> 23248

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 gcgggacatc acgatgatgc cttcagcacc ttcttcagcc agactgggtgc tgggaagcac 120
 gttccccgtg caatcttcgt tgatctagaa ccactgtga tcgatgaggt gcgcactggc 180
 acgtaccgtc agctcttcca ccctgagcag ctcatcagtg gcaaggagga tgccgctaac 240
 aatttcgccc gtggccacta cacaattggc aaggagattg ttgatctgtg ctttgaccgt 300
 attcgcaagc ttgctgacaa ctgcaccggc ctacagggct tcctgggtctt caatgccgtt 360
 ggtggtggca ccggctctgg ccttggttct ctcttcttg agcgctgtc tgtggagtac 420
 ggcaagaaat ccaagctggg cttgact 447

<210> 23249
 <211> 462
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F8

 <400> 23249

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 aaagatgaag agctacatga attccattat acaaagaatt tatttactct atataacctc 120
 catctctttg ttttaaatga catatgtgct tacgtatagc catgcaaagc tcaaccctta 180
 tcttctcagt gaagtttggt tgaaagtgt cctgtattta tgccttctcc aggcgaaaaa 240
 tggagttcag gttataagca tgcatttaag ttcaaattag tggacattta attgaaatgt 300
 attgttctaa ttttatcctc tactgtactt gtgttccaat ttatcctgta gtttttttaa 360
 tgccagccag acagtgtaaa caaataattg tcagttttgc cacgattgat tgtagattga 420
 taagattcat aagattgact tgagtcatat tgacactatt ta 462

<210> 23250

<211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-F9

 <400> 23250

 cggacgcgtg ggcggacgcg tgggtaacac cgtaagggtc tccaagtccg acacgcttgg 60
 gggcaacaag atgcacgcac ttgtggagta cgagacgtcg cagcaagccg agaaagcagt 120
 ggagaagctg aatgatgaac ggaactggag gaaagggctc cgtgtccgca cagtgtctcag 180
 gcgctcgcgc aagtcagtga cgaggctgaa gcgtgcagac ttggaccact ttgtggccta 240
 cgacgacgac tcgccgcact cctcatcaga ctccccgacg ggggactgct cttcacctgc 300
 cgaggcagcg gcggctgacg ctcacgtcta tcaccagcag cagcaagagg agcagcagaa 360
 tgggggcaag cacaaaggca gctgggctcg aggacgagct ggacggcgga ccaagctgca 420
 catcacg 427

<210> 23251
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-G1

 <400> 23251

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 cgatggctgt ggcgttgggtg ttcttgggtga gcggcgcatg gtgcggctcct cccaaagtcc 120
 ccccaggcaa gaacatcacg gccacctatg gcaaggactg gttggacgct aaagcgacat 180
 ggtatggcaa gccgacgggt gccgggtccc acgacaacgg tggcggctgc ggttacaagg 240
 acgtgaacaa gcccccttc aatagcatgg gcgcatgcgg caacatcccc atcttcaagg 300
 atggtctggg ttgtgggtcc tgcttcgaga tcaagtgcga taagcctgtg gagtgtctcg 360
 gcaagcccgt ggtggtgcac atcacggaca tgaactatga gcctatcgcg gcgtaccact 420
 tcgatttagc aggcacggcg ttcg 444

<210> 23252
 <211> 220
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G10

<400> 23252

gtgtgcgag ccccgacggg ggcgagtacc atgggcagga cgcgtgcgaa gccccgcag 60

agacccttg tggcccggtg ccctgatccg gcttggaaca tggccggtg ccccgatgag 120

ccatggccgt gaatggcgaa gcaaccatca gaaacaagaa agattaaaca aaatagtgat 180

aatgctgacc acataatcct tctgcacatt tctgtttctt 220

<210> 23253

<211> 331

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G11

<400> 23253

cacacgcgtg ctcgacatcg ctcacaaaat cttcccattt cagcacgac tcactctaaat 60

gggcgtcttc cacatgtgcg cgaactatct catggatagg aatcacttca aagaccatgc 120

atccgccaat gacctgaccg actataagac tctccagatg ctccattacg tctaactgaa 180

catcctcata cgcttgcatg actcaatgat ataccaaacg atcaaactga cgaccacca 240

cacatggcta gagaaagcca agctctagat cacatcccat aaggagacct tccttaggct 300

atagctcttg agaaccaacg tcattacgac t 331

<210> 23254

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G12

<400> 23254

ccgttcccaa aataccccag ctgctgcatg tcttgcatgc gaaccgagga gatccgcgaa 60

acgtgaaact ccatcgtgtg gcccgggtgc aactccgcca ccagatcgct catggtttcc 120

tcagacgacg atttgccaga cggcgtattc gcagcgaatg aagaagaaga cggcatggat 180

acgtaccgtc ggcggcgacg cgtgggtctgc ttgacgcggg ccagatctcc gatgaactag 240

agcaaggagg gcaggcgagc gggcgaacgg gcgaacagtt tcaaaatgct agggtttcac 300
gacgcgcaaa aaggttaagaa agcctgagcc acgccgactc cccctttttt atacatagga 360
cgcgacgctt caggaagccc gcagtccaac agtacacgtt catcaacggt cacaataaaa 420
cccccgga 428

<210> 23255
<211> 249
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G2
<400> 23255

ctgctctgac atttttataa gtacagacag ggtcgctgga gatttcaagg cagccagaga 60
gtgtcgcaaa acgcctggac tcggtccaca gacaaagggtg aattataaca cgtgcccgcg 120
tttttagtcc tgccatcaga tacatgaaac tgaactcagg cttgttcggt tctcctattg 180
tggattgagt gagcttggtt ggggtttaaat ccaatcaagt caaacttttt ttaaataattt 240
tttaattctt 249

<210> 23256
<211> 282
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G3
<400> 23256

tagctgagct tctggatcca caacttgatg tctttgcegg acaccatcac ggtaatcaca 60
ccgggctact ccaacaactc gactgacatt catactaccg cattgttcac ctatggcgac 120
atcgaccctt gacttatcca ctaatagcat agcttgccat cagcgtcct cttcttttgt 180
cacttttagca ctcaaccact tccgccgtac tcttcgctg actgatgtta ccattcgtgt 240
aagctactct tccacatata ctagectact actattaacc aa 282

<210> 23257
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G4

<400> 23257

cccacgcgtc cgccacgcg tccggtccat ccgagctaag taattaggtc gaaaatgacc 60
cgtgccagca gcagtagcag cagccggcgt gtgacgctgg tactgctcgg tctccgcctg 120
ctgcttctgg ttggtgttgc gcaggcggta gtggagttgg tgcctgctga tgataatata 180
gccgccgccg ctgctggcac ggcggtggac gatggcgagc cgcctcagca gtgcgcgacc 240
ccggtgagcg tggaggaggc gtgccgcggc gcgtccgaga cgcacgccgg cgtggcctac 300
gaccactgca tggcgctcgt gggcgccgac ccgcgcagca aggaggccgg caacaagaac 360
atgcacgggc tggcggtgct ggccaccagg atggccatcg accacgccgt cagcaccgag 420
tccaagatcg acgacctcgc ggagctggag gcggcgctcg c 461

<210> 23258

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G6

<400> 23258

ccagacgtac gctgccgtgt catctttatac agtccagaca gcttctctga agatttaaag 60
gcactcagac agggtcgggc aactcctgga ctcggtccac agacaacacg tgtactatat 120
cacgtgccccg cgttcctagt cctgtcatca gacacatgaa actgaactca ggcttactac 180
tattctacta ttgtggattg agtgagcttg gctggcttaa atccaatcaa atcaaacttt 240
ttataaatat atcttaatac 259

<210> 23259

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G7

<400> 23259

gctggacgtc gggaacaaca acttctctgtc gggggcggcc gtccccaggg ccaacaagcc 60
cgactacggc gtcgacttcc ccggcgggcca tcccaccgga aggttcagca atggcgacaa 120

cacggctgac ttcgtcgcga agagcatggg gttgaagagt agcccttcgc cgtatctgtc 180
gcttgacccc aacggctcca gccctctgct cgcgcagact gctctcacca ctggtgtcag 240
ctacgcttcc gcagacgctg gcgtcctcga ctcaaccaac gagggcaagt gcatcccgtt 300
gtcgacgcag gtgcgctact tcaacggcac caaggcgaag atggtcgcca agaattggcgc 360
cgtcgcggtg agcaagctgc tggccgactc cgtcctcctc atgggcatcg ccaacaacga 420
cctgttcgtg ttc 433

<210> 23260
<211> 416
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-G9

<400> 23260
cattcgctta cctgaagcac aagaataaac gcagccgggc atgggcgaag ctaagctcaa 60
cagcgtgacc gtccctgctgg tggccctcct cctcctgagc agtggcgctt aggacgctgc 120
cgccatgcc a ggcacgttga actacgacgc gattgtcgcc gacgagccaa acggaaaagaa 180
caaggacctg taccgccccg tcgccaacgc caataaatac acccgcggtt gcgagcccat 240
agaacgctgc aggggcgcgc gctgatcacc aagcatatac atatagcaca tcgatttctt 300
attattgcat gcacgtttat ataagtgtc attgtcttgc tgttgtaagt gccagcacaa 360
gcatatatac ggcgtttata tatactacat actccgatcg ttaaaaaaaaa catgct 416

<210> 23261
<211> 444
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-H1

<400> 23261
acgaaaacga accatcgagc accgactaaa cgtgtacaac tacttataga ccggaaccgt 60
caaactggga tggggaaaca gaacaaaccc atcaaccatg gcgaactcgg cgtcggggat 120
ggccgtgagc gacgagtga agctcaagtt ccaggagctc aagtcgaagc gaagcttccg 180
ggtcataacg ttcaagatca acgagcagac gcagcaagtg gtggtggaca ggctggggca 240

accgggacgac acctacgacg acttcaccgg ctccatgccc gagagcgagt gccggtacgc 300
 cgtcttcgac ttcgacttca ccaccgacga gaactgtcag aagagcaaga tcttggtcat 360
 ctctggtcc cggacacct cgagggtcaa gagcaagatg ctgtacgca gtcctaaaga 420
 ccggttcaag aaggagctgg aggg 444

<210> 23262
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H10

<400> 23262

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 gggcagcagt agcagcagcc ggcgtgtgac gctggtactg ctcggtctcc gactgctgct 120
 tatggttggg gttgcgcaag cggtagtgga gttggtgcct gctgatgata atatcgccgt 180
 cgtcgctgct ggcacggcat gtggacgatg gcgagccgtc tcagcagtgc gcgaccccg 240
 tgagcgtgca ggaggcgtgc cgcggcacgt ccgagacgca cgcggcgtg gcctacgacc 300
 actgcatggc gtcgctgggc gccgaccgc gcagcaagga tgccggcaac aagaacatgc 360
 acgggctggc ggtgctggcc atcaggatgg ccatcgacca cgcagccagc accgagtcca 420
 agatcgacga cctcacggag ct 442

<210> 23263
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F6

<400> 23263

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 gaatttgttg gagagttgaa tatcacactg gtcaaaggca ccaacttggc cgtagagac 120
 atgctaacia gtgatccata tggtgtttta acgctcggag ggcagaaaagt tcaatcaacg 180
 gttaaaaaaa gtgatctgaa tccggtatgg aatgaagtgc ttaagatatc tgttcctcga 240
 aattatggac ctctaaaact tgaagtgtat gaccatgata tgttctcagc cgatgatata 300

atgggtgaag cagagataga tcttcagcca atgatacag cgcctatggc ctttggagat 360
acttcacgtc ttggtgacat gcaaattggg aggtgggttca tgaccaaaga caacgccctg 420
atgaaagata gcacggtgaa tgtttgtg 447

<210> 23264
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E11

<400> 23264

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gggagcaaag agaagtagcc acaagcatgt ctggcatcat cgacaagatc caggagacgc 120
tccacatcgg gggcgaccac aaggaggagc acgagcaca gaagggcgag gagcaccaca 180
agaagggcga ggagcaccac aagaaggacg acggggagca caaggagggc atcgtggaga 240
agatcaagga caagatcacc ggcgagcacg gcgacaagtc cggcgaccac aaggacaaag 300
accatatgga gaagaaagat aagaagaaga cgacagagaa gaagcacggg gaaggccatg 360
accatggtga tgggtgacggc cacagcagca gcagcagcga cagcgactga tctcgctcgc 420
ccgagcgccg tacgcacata tgca 444

<210> 23265
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E2

<400> 23265

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gcacctgctc caccgccggag gccgttagcc tgctctgcac tgccaaggtc ccatgcaccg 120
gcgtcaccat ggatgacgtc aacgtcgagt atagcggcac caacaacaag accatgggta 180
tatgcacgaa cgccaagggc agcaccaagg gttgcctcaa ggagcttgca tgcttctaga 240
ccctccatcg actgacccat ctctctagtt ataatttttc tctcgtcctt gcattgcccc 300
ttagatgcta tccattggta acgcacaaca gtaaaacgac agacatccga cagctatatt 360

seq 14250

atgttcgacg gtgtaacacc ctgaatttga gggataaaaa tttcttctcc aaataccaac 420
caaattcaag gggt 434

<210> 23266
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E3

<400> 23266

attcaagaac ctactcgct cctacattga ccaacaacta agcctccgtg accgccacat 60
ctattaggtg cagccatggg tgctgtgca acgaagccta agacgcttga ggggaaagcc 120
ccagctgagg ccaccatctc cacaccaag gttgcacctg agaccactgc catccacatt 180
gaggttgctg cgaaacaggc agtagttgag aaggtggagg aggacaagga ggaggcacta 240
acagtggcgg cgaaacaaga gccagcagcc accatcgagc ctcaacagat tgctggtgag 300
gtgaccactt cggaagtggc ggtcgtcgtt gtcgagcctg agaacaaaga ggaggaggaa 360
gttggtggaga agaccgtcat cgagaaggag aagccatcag cagtccatga agaggaaaat 420
atcgccaccg acaaggtggc agccgagccc acaacagaat tg 462

<210> 23267
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E5

<400> 23267

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gcgaaccccc acctcgccgc tcccaccacc gcggccgggt tgcgtccgtt tcgattgccc 120
aggatgagca ccgagtcagg ggagctgctc gggatcgacc ccgtcgagct ccggttccca 180
ttcgaattaa ataagcagat ctctgcacg ctgcagctga cgaacaagac agacaagcag 240
gtcgcgttca aggtgaagac gacaagcccc aaaaagtact gtgttcgccc aaacaacggc 300
atggtggcgc cccggtccaa ggctgacgtt gttgttacga tgcaagcgca gcgggacgtg 360
ccaccggaca tgcaatgcaa ggacaagttc cttgtgcaga gcgccaccgt cgccaaggag 420

gtcgtgccaa aggaggtcac tggagacatg tttaccaaag a

461

<210> 23268

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E7

<400> 23268

gggccttata aagtatctca gtactaatgg tactaccaat gctgatcctg cagttgattt 60
agtaagagca ctgcagtcctc aatgccggga cgataccagt actcaacagt ttgaactctc 120
ttttcatgga agtggaaaca aatattcatg tagcagtctg gcagaactag atcagctcac 180
ttgcaagaac ttgtgcactg atataattct tgacgtccct ggttctgata gagagatgcc 240
tcagttaggt gtcagtgtctc tcatgtgcag ggacatctca ttaaaccggc aacgagtggg 300
aaacaaacat gagctttctg atcttgggca gaggggtcca caggtatctg caattgacaa 360
agtacttgat tccatgaatt cttatgggtga caattcgtat ggggagatgc catcagcttc 420
aaaaattctt gagctgtggg agcatgagag gtaaatga 458

<210> 23269

<211> 442

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-E9

<400> 23269

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tgctcctcct ccgactcagc atggtcgccg tcgtcctggc tgccatcgcc acagtagcgc 120
tcgcggagga agccgatccg cgggcactgc cggcacagtg gaccaccgcg aagaagtaca 180
aggccacgat ggacgccaaag acgcggcagg ctttcgacgg cgtggtggcc gccgctacgg 240
cagagaagcg gtcccaggcg gtggaggccg tgctgcagca gcagctgaac atggacgtgt 300
ccctgtccaa ggcgacgtct tccggggacg agaacaacta cgtgagcgtg gccgncgtct 360
acgagaaggc cgcgggcgcc gtcacgcggc cgacgccgga caacaagctc cgcgctatgg 420
cgttcgcggtt cgacggcgcg gt 442

<210> 23270
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-F10
 <400> 23270

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 ggggagagga atcgcaaaga gggccgtctc atccgagtta aggaagccat ggagcacaag 120
 gaggctgggt gccaggcccc cgagggaacc atcctctgca tcaataactg tggcttcttc 180
 ggcagcgcgg cgaccatgaa catgtgctct aagtgccaca aggagatgat aacgaagcag 240
 gatcaggcca agctgggtgc ctctctatc gacagcatcg tgaacggcag cgacgccgtc 300
 atggagccgg ttgttgetgg cagcaacacg gtagtagctg ttgcccaagt cgagttgcaa 360
 acaatgaacg tgcagcagcc cgctgatgtt gccggacca gcgaggggggt ggcggcgatc 420
 tccaaagggg ggaaggtagg gccgaaccg 449

<210> 23271
 <211> 295
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-F11
 <400> 23271

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 cgagctctat atcagtgata tcggcatctc gatcgagtaa aatgaccatc aacaacttta 120
 ctggccgggt gcaggtttcc ttgcccacct actatatgac tgacaaactc ttgttcgcgc 180
 tcaccctata caaccattcg catgagatga cactgtctca ggccaccaat gtcaccgcta 240
 actcaaata ggcgatctac atcgtttaca aagtgtatct ttaattggtc catac 295

<210> 23272
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-F12

<400> 23272

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ggcgtgttcg gcttctgctg ggtggacctg ctgctcacct cccggcgggc cggcggcgtc 120
ggcatcggcc gcgccgtggc cgagtcgccc gtctccggct gcctcatcgc ctacacgttc 180
gtgacggcgt ggttcgtggg cgggctcagc gcgttcact cctacctcgt gtgcaccaac 240
cagaccacgt acgagaactt ccggtaccgg tacgagcgca aggccaacc gttcaaccgc 300
ggcgccggca gtaacgtggc cgagatcttc tgctcgccgg tcccgcgctc ccggaacgac 360
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<210> 23273

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F2

<400> 23273

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cttgtttctc ctctcgtcgc cagcagaggt gggaaccatc gatgccaaaa tgggagtagc 180
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cgagtgcaag cgggacgtgg ccatgcgcaa gtgcttctgc aagaagcctt gctagttcat 420
cggctcttgct aattgttgat ggggtgcttca ttaatttgat ttgatg 466

<210> 23274

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F3

<400> 23274

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<210> 23275
 <211> 462
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-F4

<400> 23275

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 tctgggccgt ggtggcatcg aggacatcaa gtacgtcggc agggccccgt cggctgctac 180
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 aaattgggca ccttttgatt ttgatatacc tctatagaga gagcaggcct taaggtatgc 360
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<210> 23276
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E10

<400> 23276

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cgtgcactgc cagctctgca tgtatacacc caagtccttt actgggtccg ccgacgcccc 180
 tacgtacttc gttaggttta gtatgctgtt aagtttgtaa ttctagggtc tggagggaag 240
 catagatctc aagaggggtg aaatttggtg gtaatttcct gagaatttca aggagacaag 300
 ggcgtggagg ttgattctgg agggatctgt gagcacagca gcagaaattt gaggttggtg 360
 gtagcctgtt gatccacgat ggtgggtaag gagctgggtg tgcaaaggaa tggccctggt 420
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<210> 23277
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-C7
 <400> 23277

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 agaggagact acgagttagt gttgagcatg acctaggtgc tagtgatgct gcaccaaaga 180
 cactgagatt gtttgtccct tactggataa aaaaccactc gtcaattcca ttatgttattc 240
 gcatagtaga aggggaatcc acagaaagca cagaagcaga ctcaacttagc agaccagact 300
 cgctaagtag agtgtctaag tcttcaaaat tttcccttaa atattcttca aagtctcttg 360
 tcagaagagg aacaatgtcg cacagaaata tgcaagtact ggaagatatt gaagattgta 420
 gcacagacta tgtgatgcta tcaccacaag attacttg 458

<210> 23278
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-C8
 <400> 23278

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gggagacgtt aggtgggctg ggcgtctcag cgcctgcgtg ctccgcctcg ggagaagccg 240
 agaaggtcaa aagaaatccc caccaccaac gcaggcgact cccccaatcc accatagctt 300
 cctattctcc ccatcaccag acgcccagag cccccgccc ccagctcgga gcaagcaata 360
 aaaggcaaag gtgccgactt ttctgaaccg cttgccttcc gtccacgcca tattgggtga 420
 ttgctcgatt cctcggtcgg tggagggacc cggggcc 457

<210> 23279
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C9

<400> 23279

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 tctgatgata aggaagatga catcagcctg aacttttgga agttaacgcc tggactaaga 180
 aacaaaccca ggcaaccccc accatacacc aaagtttcca gggagagcat tctgcctaag 240
 cagtccttgc ctaaggtttc tgctggcact gaagagtcag tcgattctga agagaatact 300
 acattcaaac aggatagaag tagtccccaa agctcatttt cagccaggac ttcttcaggt 360
 aaagactacg acagtggact ttatgaaagg aaccgaagtg ttggaacaca ctgggaagca 420
 aaatcaacca tagcaagaaa ttcctctggt ttag 454

<210> 23280
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D1

<400> 23280

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 accatagtcg tgaccttgga gtactaccta ggagattcgc cttattgtga ttcttgtgcy 180
 cgatcacttc gagagagcgg aaaccagccg ttccttcttc aattgctcgc cggaggaggy 240

cegtcaccct gtttccatgt cgtgccgtgg gcaaggggtt cgggcattac gatcaccga 300
 cgagccatct acagaggatc tgggggttca gcaggtggag actgctgagc aggagctcgt 360
 tgaagagatc aaagatgtgg tgtttgcct gaaacacaac agtgctccgg gtcccgatgg 420
 tttcccttct gaattttatc aggagtcttg ggaagtcac aaagt 465

<210> 23281
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D11

<400> 23281

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 ttcattcaat atgtatatat atataattat atatccatct atctatatat ataagataat 180
 gaggtatcat taatgcatgc actcaattac atccatgtct aactcattct ttctcaacta 240
 tatttgctct ttccttggca gatatcttga tgcaagcata attcacattc atggaaatga 300
 tcacttacta gttatccatt atcaccattg aaccatt 337

<210> 23282
 <211> 444
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-023-Q1-K1-D12

<400> 23282

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 gcgggcaacc agcgcgatgt cgtctacgag ttcgtggcca acaacacgct ggagcaccat 180
 ctgtacgcca aggacggccc tgtcatggac tggagcacc gcataagat cgcgctcggc 240
 tccgccaagg gctcgccta cctncacgag gactgccatc ctcgatcat ccaccgcgac 300
 atcaaggccg ncaacatcct gctggacaac aacttcgagg ccatggtggc ggacttcggg 360

ctggccaagc tcacgacgga caccaacacg cacgtctnca cgcgcgatcat gggcaccttt 420
cgctacctgg cgccggagta cgcg 444

<210> 23283
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D2

<400> 23283

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cagaagagag acgtgaggtc cttagttctc ggctgctccc tcttgatgca ttcagtcata 180
tgacgtgtag gaagctgcgg aaggctctag cctgcacaga tatagaccac gagcaagcaa 240
ccaagtgtgt caccgaggct cttctgttca aagctgatgc accacaccgg caacgagctc 300
ttgcagcgga cgcaataacc tgccggaaat tcgccgagcg ggcttacaag tacagaccac 360
tcaaagtgtg tgagtttgat cgccctacc cacagtgcac agcatacttg gatctcaagc 420
gcgacgagtg ctctcgactc tt 442

<210> 23284
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D4

<400> 23284

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cttgcccccg agctggaagc ccctgccgtg gcacacgcgg atgcggatcg cgggtgggcgc 180
ggcgaagggc atccagtacc tgcacgaggt ggcaaaccg ccggtgatct accgcgacct 240
caaggcctcc aacatcctcc tggacgcgga cttcaacgcc aagctctccg acttcggcct 300
cgccaagctg ggccccatgg ggcaccagag ccacgtcagc accagagtca tgggcaccta 360
cggctactgc gccccgagt acgccatgac cggcaagctc accaagatgt cggacatcta 420

cagcttcggc gtcgtgctgc tcgagctca

449

<210> 23285
<211> 275
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D5

<400> 23285

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cggctaggtc acgaaatgaa gcccacacgt ggtgacacat tcacagttgg gacaggagat 120
taagtacat ggcctcaaat gcagcgacaa cctacttggg catggtatct gtcacttatt 180
gtacagctgt taagacattt cacaaaatcg gactagagtg atacttaata cagtgtcggt 240
tctactgtga cacctgcaag cgccggtgtt cttga 275

<210> 23286
<211> 457
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D7

<400> 23286

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tacaatgctt tccataacat tgcttcttca agttacaatc ctgcacctat cagaaattcg 180
tctcaccca attgcttgcc agttccaagt tctatcgatg atcaactccc acgatatgga 240
actaatgcat ggctctcagc cggtaacctat gaccttaatg gaggggtcaa caatgctggg 300
aattcgaga gaagtttccg ggcaagaatt actacgtctc aacagattgc tccctgtagt 360
gtatggccct cttcaaatgc taccagactt cctaattcat ggaatcatca gctacctcat 420
tttcaaagtg catttgatga taccatgag gttattc 457

<210> 23287
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D8

<400> 23287

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aaatggattg cgattattgc tgttattctg cgactatttt ttccgcgcca cttcccagat 180
tggttagagc ttcccggttc catcactctg ctcacagcag ccgtccccag tctgttcgca 240
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ctccaagagc acatcagggc gtcagatgga ctcaggaacg ccttcaggaa gggcaatggc 360
gtgtccaact ccattggcat cctgctgctc ttcacttacc ctgtctggac cggcgtgctg 420
cagatcctgt aggcgc 436

<210> 23288

<211> 465

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-023-Q1-K1-E1

<400> 23288

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gaggacgatg ggcagcggcg ggcgtaacac tgccccctt ctcacccctt acaagatggg 180
aaaattcgat gttaccaca gggtagtcct cgcaccactg acgagacagc ggtcctacgg 240
caacgttccc cagcctcatg ccatactgta ctatcagcag agggcgacta aaggagggtct 300
tctgatcgct gaggccacgg gggtttcaga cactgtcaa gggacaagg acactcctgg 360
catttgacc catgagcaag tcgaagcatg gaagccgatc gtagacgggg ttcaccagaa 420
aggagggata tttttctgtc agatttggca cgtanggaga gtctc 465

<210> 23289

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B2

<400> 23289
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 gacttcttgg tcaaaacaaa t 441

<210> 23290
 <211> 416
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B3

<400> 23290
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 aggagagag aggccagact gatgggaatg gcagccaagg agcactttgt gcttggtcat 180
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 taccatgtta catgcattga cctagccgga ggctgcgtct atcctactga cccaacaca 300
 attcggtcgt tccagcacta cgacaagcca ctcatagacc tcatttcaac cttgcctgaa 360
 gtggagaacg tgattctaata cggacatggg gctggagggc tgagtgtgat tcatgc 416

<210> 23291
 <211> 213
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B4

<400> 23291
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atgctgtggaa gatggattca gcatatgaga aaggcaagct tatcaatccc atcaaacatc 120
tagatatatc actccaacca ccttctcaaa ctgccatctc caaatgacat ccgttccata 180
cgaactaaca gaatctatac cactttattc tat 213

<210> 23292
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B5

<400> 23292

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ctgtacacca acggcacggg gtgcggcgcg tgctatgagc tcaagggcc caagggcacc 180
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aaccagcact acagcgaggt gaaggtgacc aacgtgggct gcgccggtga cgtggtggcg 420
ctgtgggtga agggcaacaa gcgcgttaag t 451

<210> 23293
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B6

<400> 23293

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aaaaaaaaaa aaaaaaaaaa aagggccacc tattttaaag acacaagctt acttttacia 180
aacattcaac actgaaaaaa ccctatagtc tcacataaat taaattaata tgagcatatg 240
ctttaaacyg tcatgactgg taaaacccaa gagttcccca actaaatccc tttaaaacaa 300
attcacattt taaaagctga attaaactct aaatgtcccg gcacattaac ctcttcaaaa 360

attggggaaa cccaaattga aaatggtaca ctccatatac ctataaatta atccctttgg 420
 tttt 424

<210> 23294
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B7

<400> 23294

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<210> 23295
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B8

<400> 23295

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457

<210> 23296

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<212> DNA

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<400> 23296

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cgaggggtgt ggcggcggct acggaagcgg tggcagctac ggcggtccta gcgagggtcg 420
tggtggcggc tacggctgc 439

<210> 23297

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C1

<400> 23297

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catcaccaag ttgggcgcct ccggcaatgg caagacagac agcactaagg ctgtgcatga 180
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cgagattcta cgtgtggata acctggtcat caccggcaag ggaaaccttg acgggcatgg 420
cccagccgtg tggagcaaga actcctgctc caagaagtac gac 463

<210> 23298
 <211> 371
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C10

<400> 23298

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 ttcgccgcgg agggcccgcc agcatccccc aagcattcgg actccacgcc gtcaaaggca 180
 cccagcagtt cgcccgcaca gtctgataag gccctcacag cgtctgctga aaatgctgaa 240
 gatacaccaa aagcaacccc ggccaaggcc ccggcgacag cctccaagtc agaggctcaa 300
 cctctcgagg cacgcgactc ctggtgcagc gctgcgtcac ctactatcga gagcgccgcg 360
 tcagagaagg c 371

<210> 23299
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C11

<400> 23299

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 gaaggcaaag aagaaaatgg gggagcaaaa tatacaaaag gctgtgaagt ccgcaatgga 120
 tgctgcagaa gctgctcttt caggaaataa accgttttgt gttactcatg tggatgtggg 180
 tcttgatacc acggctgtcc gtgaggcggt tatcaaagtc atggaccaga agggtttgcc 240
 tataatgtta ttcagcaccg atgaggcatc aaacaaagcc gttatctatg ctggtgtgcc 300
 tcccaatgct cctagcgggt tcaaggtgtt ggactggcta acaccttcaa ttgcgccact 360
 caagggaaga ggcggtggcg gcaagaacgg cgtcgcccaa ggccaaggga gtgacgcttc 420
 tcagctcaag gaagcaatgg cacttgcgaa c 451

<210> 23300
 <211> 427

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-C12
 <400> 23300

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 cgggtctatta ggtgcagcca tgggtgcctg tgcaacgaag cctaagacgc ttgaggggaa 120
 agccccagct gaggccacca tctccacacc caagggttgca cctgagacca ctgccatcca 180
 cattgaggtt gcggcgaaac aggcagtagt tgagaagggtg gaggaggaca aggaggaggc 240
 actaacagtg gcggcgaaac aagagccagc agccaccatc gagcctcaac agattgctgg 300
 tgaggtgacc acttcggaag tggcggtcgt cgttgtcgag cctgagaaca aagaggacga 360
 ggaagttgtg gagaagaccg tcatcgagaa agagaagcca tcagcagtcc atgaagagga 420
 aaatatc 427

<210> 23301
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-C2
 <400> 23301

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 aaatgctaaa gatattatag catgtgggtt tgacattgaa agaacattca ttttctctga 120
 tttttctttt gttggagggtg ctttttatga aaacatgatg caagttgcca gatgtgtaac 180
 tatgaataag gctattggaa tatttgggtt caatcttgag gatcacatag gaaagggttag 240
 ctttcctcca gtgcaggcag tcccatcatt cccttcttca tttcccatc tcttcgctgg 300
 caaggaccaa ctgcggtgtc ttatcccatg tgcaatagat caggatccat attttaggat 360
 gactcgtgat gttgctccta gaattgggtta tcagaaacca tcaactgattg aatctagatt 420
 ttttcctgct cttcaggggg agaacacaaa aatgtcagc 459

<210> 23302
 <211> 359
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-C3

<400> 23302

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tcttgctcga gtcgtgagag gacgactact agatgcacct tgtcatggaa ctcttcaagg 120
gcagatagct atgagactac atgttagagc tgaagatgta ctacgtgcta gtgatgctgt 180
agctaagaca ctgaaattgt ttggccctta ctggataaaa aaccactcgt caatttcatt 240
atgttatcgc atagtagaag gggaattcac agaaagcaca taagcagact cacttatcag 300
accagactct ctaagtagag tgtctaagtc ttcaaaattt tcccttaaatt attttttaa 359

<210> 23303
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C4

<400> 23303

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gagaatccgt acgtcgaggt gcaggtcgta ggtaggatgg acgcggacca gcagggcggtg 120
gttgcggcgg cggtgaagcc ggcgctggcc aaggggacgc cgtcggcgctc gttccggctc 180
cgcaacggga gcctgaacgc ggtgcgcctt cgccgcgtgt tcgacctgtt cgaccgcaac 240
ggggactgcg agatcacctg ggacgagctg gcgcagcgct tggatgcgct gggcctggac 300
gccgaccgtg ccgggctgtc cgtcaccgtc ggcgcctacg tgcccgactg cgccgcgggc 360
cttcgcttcg aggacttcga caagcttcac cgcgcgctcg gtgacgcctt cttcggcgca 420
ctgggaggcc aggacgacgc cacc 444

<210> 23304
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B12

<400> 23304

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 cgcaggttgc gatggctgtg gtgttgggtg tcttgggtgag cggcgcgatg tgcggtcctc 120
 ccaaagtccc cccaggcaag aacatcacgg ccacctatgg caaggactgg ctggacgcta 180
 aagcgacatg gtatggcaag ccgacggttg ccgggtccga cgacaacggt ggtggctgcg 240
 ggtacaagga cgtgaacaag ccccccttca atagcatggg cgcgatgcggc aacatcccca 300
 tcttcaagga tgggtctgggt tgtgggtcct gcttcgagat caagtgcgat aagcctgtgg 360
 agtgctccgg caagcccgtg gtggtgcaca tcacggacat gaactatgag cctatcgcgg 420
 cgtaccactt cgatttagca ggcacggcgt t 451

<210> 23305
 <211> 339
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-H9
 <400> 23305

aattgcaaca ccttaagtct catttaccct atatgtctct cacacacaca catggaggac 60
 tcgtcaaadc ttgacacaca agtggggcct tgtcttatat accattcgat cgtctatgat 120
 ggtcaatact tacctactac tgcttccagc ttcttcgctc ttgtattgta agacctaaat 180
 tgaaagtacc ggccgtgcaa ttacatcgta gcctctggaa atactccaga ctgaccaaac 240
 ttacttgctt atcttcatat ccaccttta caacatgacc aattatcaaa tatgccattc 300
 ctatttgacc tatccaagac tttcacagcc agtattgcc 339

<210> 23306
 <211> 370
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-023-Q1-K1-A1
 <400> 23306

acgcggacgc gtgggcttgg cattcgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 aaaaggaaaa aaaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaataaaa 120
 caaaaaaaaa aaaaaaaaaa gaaacataca taacaatccc gctgacgaag tgaacctcgg 180

atgatatgga gagggaccaa gaacctttgt tacaccgaac aatggggccg tcgcaactac 240
gaatacgtct tgctcagctg cgactccatt cccgtttctca aaggactcac gcccgtcgag 300
tgctacaccg acttcatgcg cgcgttttcgc gaccacttcg tcgactacct tggcaacacc 360
atcgtggaaa 370

<210> 23307
<211> 434
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A10
<400> 23307

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tggacaacgt tcagaagtct aacagtcaag ttgatcctct gccaaagcatt ccaaggtctg 120
acagtgagat ctccaaagac gataccccag ctacagcacc gcttaacaag gggcaattgc 180
tacgtacttc acccagacca ctaaaaggca gtgaagccat aggctattca tcttcggatt 240
gtcctcagca ccaatccagt catcttcgca acgtttaccg caaagaccgc taccttgggc 300
accagttctg tgatccagtt gaactggcat cgacgcctga gttatcaagc atcagtgggtg 360
cgaagacaga gacgtctatt ggtgcatcag tgaggacaag ctcatctnct gaagaagtcg 420
atggatcggg cgaa 434

<210> 23308
<211> 312
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-023-Q1-K1-A11
<400> 23308

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tggatctatt tacaagccag caccgaaact agacactcac aatcccaaata ataaataacc 120
tcaatcctac aaacatacta acacctcacc gagacactat gtaaatcata tccatcatat 180
cttactacat actctttctta aacatcatca ctacgacatc aaacataaat cagcatcatc 240
atatgccaat aaacccttcc gcgaccact tatcctcgac cgtaacaac tacattatcc 300

atttcactct ac

312

<210> 23309
<211> 443
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A12

<400> 23309

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ggggagcaag ctgcagcaac acctcggcac ctgacctggc catgcatgca cacgtatact 120
ataatctaac aacgtagctg acctgggcaa attgccagcc tgacaggggc caggggtgctc 180
gaatgtctca ctctcacgcg cgactaactt tccatcaaaa ttgattcttg ttcatactcc 240
atagcatgca cagattgatt gaactgctac ttgagattct tgtcattggt attagagaga 300
gagacagaga cagaacgatt ggcatagcat gcagaattgt ttggaagaag ctagcanagc 360
agttccttgt ttgtatcctc tgtaccagaa gatgagtttg atctaggatt aatccctgca 420
aggcaaggta aagtaaattc atg 443

<210> 23310
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-A2

<400> 23310

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tgtcgtcacg aacactgtgg cggtcgtggc ggcgggcgtc acgaacacgg tcacggggcg 120
cgtggcgggc gtcacgaaca cggtgaccgg ctcggcggcg ggtgtcaagg acaccgtgac 180
cggcggccac tgatcgacga cccaagaatg cttcatgcat ggccaagtgt tgaggggttg 240
aggccaaaga tggcttgaat ttccgtcctt tttttgcttt attttttgac attattgttt 300
taacatgttt cattcacccg tctctgattg ggattgtgat cacgaccgcc tgcaataaaa 360
aaggccatct ttact 375

<210> 23311
<211> 474
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A3

<400> 23311

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ttctctgctc caacatcagc tagatttata atccaaggat caagaagctc agcaaaatat 120
tctttctcag atagaagaag tgaagaggga gaatatttta ctacaggcaa agaacacaga 180
aatggaacaa gagctcttaa aagctcaaaa atgtagccat gataatatgg acaagttgca 240
cgatgtggaa aagaactatg ttcattctccg ggataacttg aaaaacttag aggataagat 300
ctcaaattta gaagatgaga atcattttatt gagacagaag gccttgaatt tatctcctag 360
gcacagccga actgggagtt atcactgcgg ttcttcacca tgcagcccaa aatcattcgt 420
tgaatcttca cctgtgaaac ttgcacctnc cntcataac cagacagaat caag 474

<210> 23312
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-023-Q1-K1-A4

<400> 23312

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ggaggaagct caagttcgac atcatcccca cgggtgcacct gtaccggcac gaccctggg 120
agctgccgag cctggcgcgcg gtcgttggcg agcgcgagtg gtacttcttc gtgccccgcg 180
acggcgggcg gcggggggcc aagcagcagc ccgggtccgg cggccggcct agccgcacca 240
cggagcgcgg gttctggaag gccacggggg cggaccgcgc cgtgcggtgc gccgtcgacc 300
ccaagcgctt catcgggctc aagaagacgc tcgttacta cgagggccgc gcgccgcggg 360
gcaccaagac ggactgggtc atgaacgagt accgtctncc cgacgctgcc gacgctagca 420
gcgacgcgcg cgtgccgcat gtggacgtgg tgct 454

<210> 23313
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A5

 <400> 23313

 catcgccgag cgcgacggcc cgggccggta caacttcgcg ggctacgagg agtcatgga 60
 gatggcgcgc aaggccgggc tcaaggtcca ggccgtcatg tccttcacc agtgccggcg 120
 caacgtcggc gactccgtca gcatcccgct gccgcggtgg gccgcggagg agatggagag 180
 ggaccaggac ctctgctaca ccgaccagtg gggccgccc aactacgagt acgtctcgct 240
 cggctcgcac gccatgcccg tcctcaaggg acgcacgccc gtcgagtgt acaccgactt 300
 catgcgcgcg ttccgcgacc acttcgccga ctacctcggc aacaccatcg tggaaatcca 360
 agtcggcatg ggccccgccc gcgagctgcg ctaccgtcc taccggaga gcaacggcac 420
 ctggaagtgc ccaggcatcg gcgccttcca gtgcaacgac aggt 464

<210> 23314
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A6

 <400> 23314

 cgccaccacc accgtcaccg ccatcgctcg cccggatcgt caacatggca gccgccctcc 60
 gtgtcctcat cgcgctctc gccgtcgtct cggctctctt ccggcgcgcc acggcgacta 120
 cggccccac cgtcgtcgac gaggcgtgca agcagtacac caagtaccg gagctgtgcg 180
 tcaagtccct gtctccgcg gcgcggagg cgaaggcga ggcgagcgg ggccggctgg 240
 cggggctggc cgggctggcg ctggcgagg cggcgagtg cggtgccgag acgggtggct 300
 tcgtcaaggg cctggagaaa atgccgggg gcgtgccgcc cgtgtgcctg aacgagtgcg 360
 tggccaagtt ccaggcgcg ctggtcgacc tgcagcggtc caagggtggc gtgcagaagg 420
 ccaaggacga ggccgtcgtc gacacgtggc tcacggc 457

<210> 23315

<211> 174
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A7

 <400> 23315

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 tgggtggttc atgggaaacg gcggacagct agcgggcggt ccggtgatcg gtgtggccgg 120
 tggcccggat gagtcagtta gagagcgagc tttttttttt gatacggggg agtt 174

<210> 23316
 <211> 460
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A8

 <400> 23316

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 caaaagctct ctctctttct tccgctcagt gcaccaatca ctgcaacata ctggcctgag 120
 gtcattgagt tggtgaaagg gaaggagggg gtatcatggg catctcatcc aagtggatta 180
 aatccttggt tggcataagg aagcaagaaa aagcgcagaa tgcagaaaag caagaaaaag 240
 ggtggaacgc tgagagcagt gaaactagga gctctgctaa tcaatcactg cacaaacgga 300
 aacattcttt ggatcccga gctgcacttg cagtcgaaga aattacagta caaagtgaag 360
 cattgactga taacaaaagc gcacaaatgg tttcaaattc atttttttca gacagtacac 420
 cgcttgatgt gcaaatttct caggctggac atcatagtaa 460

<210> 23317
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-023-Q1-K1-A9

 <400> 23317

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 agggatagca tcaagattca cggatttttag actgcaaatt tgaagtgcct gtgtgtgcct 120

atcatatgat accatgat accaggtatt gaagcttcgg aagcttggtg gccttcgtaa 180
catcagtagt cgttattcat ctgaatatgt gtcattatct catttgataa gactgggtatt 240
gatgcaagtt gtccttgacg tatgttttgt aagtgttacc tgcataaaag tatcggtttgt 300
ctgcggagct gtctgctact gatattgaat aacaagagag attgctgttt gtaattcgctc 360
tatgaattat tatgatcttt cccagactt gagcttt 397

<210> 23318
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B1

<400> 23318

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aagaagtact cgcgcaagct gctgaacaag gcgaagctgc tgttcacgtt cgccaagagc 120
cacctgggca gctacgacgg cgagtgcctt ttctactgct cctactcggg ctacaacgac 180
gagctgctgt gggccgagac ctggctgtac ctggcgacta ggccggcaggt gtacgcggac 240
ttcatcgctc acgaggccat ctgcgcgagc gtggccgaggt tcagctggga cctcaagtct 300
cccggcgcgc atgtgctgct ggccgagttc aacatgacct cggcggggcg cgcgcagaac 360
ttcaagtcgc atgcggacaa cttcgtgtgc gcggtgctgc cggacacggc gtttc 415

<210> 23319
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B10

<400> 23319

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ggggcctccg cagtcgcac ctgcctccac gacttgctgt gctcgtgcgc tactctcctc 120
gagcgcggcg cggagcacgg ggacatcaaa tggcggcagc ggccggagatc ggtggtttcg 180
cggcggcgag agtggcggtg gcgacgtca cgcgggtgc gcaccagcc ccggcggcg 240
cgggtggcacc gcagcctagg agggcggtgg cggcgcagtc gctgcagac accgccaccg 300

aggcgctgac ggcggatctc gccggcacga ccaacggcgc tgtgcatgct cggatgaata 360
gtaaggcttc acgtgaaatc acttcac 387

<210> 23320
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-B11

<400> 23320

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agagcctccg gaactgtgac cgcgggtgca catactatgc agctcctgca ctacactcct 120
atagcgcggc gcggagcacg ctgacatgaa atcagagccg aagcaggaca ctgggctgta 180
tgtggttgcc agagtggctg tcgcgacgat gaggacacct gtgcacatac ttaatgcagc 240
gtaggagtca ccgcaggcta agaacgcggt agcagctaata tcagttgata cgaacaacac 300
cttggcccag tgcgagctag tcatcgaggag catgctacgc agtcaactca caaccttgaa 360
taatgacgtg acaga 375

<210> 23321
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-H11

<400> 23321

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gacaaaggta atggagtcgt cacgcatggt ccagccggcc atcatcctgc ttctcctgct 120
cattgtgacc accgatgtgg cgcagtcggc gagggaaatgc gagaaggaca gcgagcgatt 180
ccttggggca tgcagtcggt cagacaactg cgccaacgtg tgccgcggtg agggcttctc 240
cggcggcatg tgcagcacct tccgcgcgcg ctgcatctgc actaagccgt gctaaattaa 300
cctactcccg gcagttcgat ggtggacgtt tattctatct attggcttac ttgattcttt 360
gtcccctaac aatacgataa cgcacgtgct gacatgtacg ttgtgtggca tatgcttttc 420

<210> 23322

<211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B11

 <400> 23322

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 acgcccātca atggcgatct gaatcaacca aggcātctgg aagcttggac atggagcgga 120
 tcttcaagtc ctccagggag tggggtccc tgaacctctc caatcgctcc ctccagggaga 180
 tacccaagga ggtgtacaac aacttggaca ctggcagcca ggatgagaaa tgggtgggagg 240
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 ttaggaactt gtcttcgctt gctgttctaa atataagtca caacaagata tcttcccttc 360
 cagcagctat cggagatctc ccgttgctaa catcactgga catatcttcc aatcaaataa 420
 acacttctgc c 431

<210> 23323
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B12

 <400> 23323

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 cgatttgatg catgcatgca tgggtatacc taccaatttg atgaccgacg atgtatagtt 120
 tcgtcgactg cttcatacac atatatagca gcccaattaa tgtaacgtta cgcaaātgc 180
 tatttgcgag gtatgacatt acctctacaa tgctatagca cataatagca gttgctaagc 240
 cacgggttcg cagataatca tcatgcatgc gtgcacat 278

<210> 23324
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-B9

 <400> 23324

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 tggacagcca gctcgcgaaa ataatgaaga gccggagcat ggcatcatcg gccgcgctct 120
 tgggtgctagc cctcgcgcta gtggcggaca ccgccccaca tgtagcggat gcacagagaa 180
 gagagcggcg gagagcggcg agggcggcga ggcgaagaag atccaggacg acttctgctc 240
 gacgctgtgc gagggcaaga aggggacgga cctggctgtg tgcaatgagt cctgcgctct 300
 ctaccagcag tccaacctgg tgctgtactg catgatccag tgcattggga agtgcaccga 360
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 g 421

<210> 23325
 <211> 320
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-C10
 <400> 23325

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 agcgctagaa gtcgatcgcg taaagtcata ccagaatcaa cactccacct gtcattcgag 120
 tcgatggaga tcaacgtcgc tgcttcacgg ccatgataca cgaaactccc ccgatccgt 180
 ctccagaagc atgcgccagc gtcactgcaa ctcgagcagg ctgtcgccag cgctgcgact 240
 ggagcaccgt ccacagtgtg ggggagactgg agggcgccca tcccgtctct gtcgccgatc 300
 gtcattgcgc ccattggttc 320

<210> 23326
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-C11
 <400> 23326

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 tcggtttttt ttttttttct tttttttttt atcctttttt tttttttctc aaatacataa 120
 cccttatata tgaaacctta tgccccgtgt tcaaaaactt attttttacgc acgtcctttt 180

aaacaagctt tctgctacat ccagccttat ccgctagttc ttccacttcg aaccctcata 240
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<210> 23327
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-C12

<400> 23327

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ttggcatctc cgacagcctg cgccccgcca acccgctagg ctacttcaag gacgtgccgc 180
tccccgtctg cgccgcgctg ctcaagcagc tggactcgga cgacgacgac gaccagtaaa 240
ctataccacg gcggcgctgc ggacatgctg cacaaaacta caacgataca gagcgaacgc 300
atggcatgga tagcagtatc tacggaaaga aaaggaagaa aaggaaaata aaaaatgtat 360
cagagtgctt gattcacttg ctgctgtcac ccattccccg ttcttaacat aacatgtggg 420
ccggcttggc ccatgcacaa gcccatc 447

<210> 23328
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-C9

<400> 23328

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ggcccgaac ctcgagcgat tcatgccaga tccggccatg ctcgacacat gatgacttac 120
ccgcccgcgc cgatggctgc tctctcacgc caagcacacc agacaccatc gccgaccact 180
aagtgaaac ctccgacact gtcactgtaa ctggatcacg ctcgtcgaca gctgccggac 240
tgaatgcacc gctcacggcc tatctgatcg cgctgtttct cttcctcatc ttctcgaagc 300
tctgcatgca gcccatcct cc 322

<210> 23329

<211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-022-Q1-K1-D11

 <400> 23329

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 caaagaattg aggacccacg tggcttttgc atgttggcctt ggacatgtct agagcgtagt 180
 gttctcgtca tcatttgctc attttgtgat aaactcttga agcaatatgt cgtcgttttc 240
 cctgaaatta atgatgaggt ggtctacagc tcccttgaat tctctatcct tgctcgttat 300
 ggactctggg atgttt 316

<210> 23330
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-D12

 <400> 23330

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 ttggcatctc cgacagcctg cgccccgcca acccgctagg ctacttcaag gacgtgccgc 180
 tccccgtctg cgccgcgctg ctcaagcagc tggactcgga cgacgacgac gaccagtaaa 240
 ctataccacg gcggcgctgc ggacatgctg cacaaaacta caacgatata gagcgaacgc 300
 atggcatgga tagcagtatc tacggaaaga aaaggaagaa aaggaaaata aaaaatgtat 360
 cagagtgctt gattcaattg ctgctgtcac ccattccccg ttcttaacat aacatgtggg 420
 ccggcttggc ccaggcacia gcccatc 447

<210> 23331
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-022-Q1-K1-D9

<400> 23331

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cgtccatggt caaggaaggg gccagcgacg gctgcatgtc tgagtcggtg atccgcaagg 120
tcctgggtctc gtacatgtac gtgggtgtgt gaatcttctc ctgatacttc gagatcgtct 180
acatcaagtt cattctcgac cccttgatgt tcaactggcc cttccgcac tttgctcacca 240
tggctcacat ggacttgtgc tcctccctag ccgtggct 278

<210> 23332

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-E11

<400> 23332

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ggatgaggca ccggtgcct cgccaaagca ttccggctcc acaccgtcaa aggcacccag 180
cacgtcgcgc gacaagtctg agaaggcccc cacggcgctc tctgaggatg gtgcggctac 240
ccccgctaag gccccagctt ccgcggcctc caactcagag gcgtcacctt ccgaggcacc 300
tacctccggg tctgagttcg gtgcgcctc acctaacgag agcgtgcgt cagaagaggc 360
ccctacaagt gccccgagg actcatcacc gccagccct tccacgtccc cgtcggaggc 420
tgaggctgca gtatc 435

<210> 23333

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-E9

<400> 23333

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tgcaactgtc atctccttcc tctcagtgtt ctctgcttcc tagggtgtga gcgtcttttc 120
ttgagtgaga ggggtccaaca tttggtacca gagctaggat ggagacgccg ccggcaaagg 180

atggcctcaa gatgttcgac ggcattgggct cgacgagtgc cgcatggag cgcatcatca 240
acagcagctc cggtgagctc ccgtgtctga ccaaggcgaa ttaccacgag tgggcgttgg 300
ttatgcaggt ctctgtggag gcatggaac tgtgggacgc ggtggaggcc gtgtgcaagg 360
agcgtcccaa ggatcggcgg gcaatggccg ccattctgcg cggagtgccg ccggagatga 420
aggcgtgtgt cgccgtgaag a 441

<210> 23334
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-F11

<400> 23334

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gggttacgag gtgtgaagc agaggaccga ctgcgccacg gccgtcgccc tcgcccgggc 120
cttcggcgca atgccttacc tgggtgttca ccccgaggcc gccgtgatgt ccggcggcga 180
gagcagcgac tcggagcggc cggtcgccg ctccgccgag gaggaagact atgaggagtg 240
ggagtcatg cgcgggctca ccgtctgatg acgtgccag ccgcccgcc cggagtga 300
caaggcgagt ccgtgccag gaagtgtca gtggccggcc ggcgttggt tacataataa 360
cccctaccgt ccggtgttgt atcgagtcac ggtcgtatgc gtcagggtgc tcgtcgtcgc 420
cggaagtgtt tggcgccacc 440

<210> 23335
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-F9

<400> 23335

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cacgtgtgcg cccgccatct acgactaggc catgtttctt caatagatcc gtcgtcgtgg 120
gctactacaa taaccgagtt aagcggaaag tcgcagtcaa agttcttggg ttgacctgca 180
ttcacatctg aatcgagtac atgtgcatac acgcgtacca accttggtatt cctgtactgg 240

gtatgtatcc aaagccctta aatcttgctc tgaggccaat gagaatgcta caactatgat 300
 atttatctat ggtccatgac tataagaaaa aaacaatgaa cgagctaggg gatgtggaag 360
 agcttgtgtc tatgatgacc aatgtgacac ctaggggtca aaaggaccta ctgatatcat 420
 tgt 423

<210> 23336
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-G11

<400> 23336

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 ggccgcgctt tccgtcgag caggtcgcg cgcgcgtca ggacggtcaa ggacctcgcc 120
 gaggaacggg cctcagtgt cgcgccagc agcaaggtct ctgatgaggc ggcggtgctg 180
 gctaccgcgg tgccgtctgc aggtgccaa acctccagca gcaacgatgc ccgcgacggc 240
 gccatgggca gcgtgcatga cgagccgcgg cagcagcgcc acgatgacta tcaccccgag 300
 atcgccccg agaagatcat acacgaggac gcgttgccgg tcgttgctgc ggagaaggag 360
 actgccgtcg ccgtcgcaac ctgcaatgaa gaggaggagg tggagtcgcc caagaaagga 420
 gcggctctgt cgcgggtgcc ggatgctatc c 451

<210> 23337
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-G9

<400> 23337

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 ggggccgtta tggctgatcg tctctgagga gctattccct aactgaagca gattcattat 120
 cacactctct cctgtcggtc attggtgact ctgccgacgg ccatgattat agactcgtaa 180
 agagcttaca atgtgtctcc agtaatccca ctacgtaagc tactgatcaa cgatcgagca 240
 tccgatgcat gccttcacat ggtgcatgag agctatctta catgcgtcaa cgattgtaca 300

aatgatcctt caaagacatt tggatcacca taggacatct cttatgcact gatcacgac 360
 ttagaaatag aactgtcaac tagtcaatct ggCGaatgca tagccttcac aatgatgatc 420
 aacattcgct atatgcatcg a 441

<210> 23338
 <211> 448
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-022-Q1-K1-B10
 <400> 23338

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 cggcgctcgga gaagaagaag cagacaactc tcgtatatgt cttcttgccc cttttccgat 120
 ctggtggctg tagcgctcat catcgccgtc gtcgcctgca tcctccgcgc cctcgcttgc 180
 tctggccgat ctatgcgcaa ggggctcaac ggctggaaca aatcctagtc gatgctcagg 240
 gacgggttcg ggggtgaagta ttccggattc ctgcacataa ggccgtgcgg cttctgtaga 300
 ggagattgac ggattcggcc gatttgcgct cgtctccgtc attgtttttt tgcaccaga 360
 gtttcttggt tgtctttaga agttttcccc ccatagtttt ggcaatcttg gcgacatgtt 420
 ttggagttct ccccgctcgga agagatag 448

<210> 23339
 <211> 212
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-021-Q1-K1-G4
 <400> 23339

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 ggacaggggc accttttcac tgacgctgta catatccata taagacatca accctttacg 120
 aagcatcgca tacctcaaac tcacactcaa cctcaccaac atacacctca agcacactga 180
 ccgacctoga cacactcata cttaccgatc tc 212

<210> 23340
 <211> 410

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G5

 <400> 23340

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 ggtcctccga aaaggттааg aaaaggatgt ttacatatcc aaagcagtga tgatgatgtc 120
 caagagaact aaagatggtt gtttaaaaca ccaaatttgc ttgcttctca cacgctatct 180
 tttgcaaact ttagcctaат cсgctgtaaa gcatatttgc ttgataaagt cccctgaact 240
 ttcttttgat gcaaacaaga tctccatgct gaatcaaaca tggtagataa aagggcatat 300
 ctctatagtt ctgacatgcc accttttgсg gtctctagga ccaatatttt ggtgcctcaa 360
 caaatatgta tgtatgacta atttgттatc aactgcgctt agttcacaaa 410

<210> 23341
 <211> 247
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G6

 <400> 23341

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 gggcaccttt gagcagatgc tcgacatcac cgtcaaggac tggcccgtcg aggaggcgct 120
 cggctacgcc aagctcgсgс tcaagtgcac ggagatgcgg cggagggacc ggccggacct 180
 cgccacagtc atactgссgg agtcaaccg gttaaggaac ctсggccacg cgtacgaggc 240
 acgcatg 247

<210> 23342
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G7

 <400> 23342

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 cggggcgгta atggccgacg gtgaccttga ggtgctcagc gtgctcgaca ccgggaagac 120

tcaatggtac caatttaccg ccatagtggg cggcgccatg gggttcttaa ccgacgccta 180
cgacctcttc tgcattctcc tgggtactaa acttcttgga cgtatgtact acaccgtaga 240
agggtacgag acgcccggga gcctaccgtc gaacgtgtcc gagtgcgta acggataggc 300
cttactgggc aacgcttcat ggcagatggt attcggctgg ctgttcgaca agctcgggct 360
catgaatgtc tatggcatga c 381

<210> 23343
<211> 261
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G8

<400> 23343

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ggtcccggag tgggtgcccc acggtgagcg cagggtgctc aaggcgccgc gcttcaagaa 120
cacactcacg ccaaacgtgg tgggtggcga ggacggcagc ggcaagttca agaccatcaa 180
cgaggcgctc ttcgccatgc cgaataccta cgacggaaga tacgtgatcc aagtgaagga 240
aggggtgtac gacgagtacg t 261

<210> 23344
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G9

<400> 23344

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tgtatctgag ccctttcccg cgggtgaggc cgaccggagt ccacacacac acacacacgg 120
tgtcgatggc ggccgtaata aggagccgcc gcgtgtccgt tgtcttctac gtcgtcctcg 180
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cggagcgcgc cgaggtgggt cggtcgcgca acctcgccgc ctacgtcagc gaccccgtag 300
ccgccacgaa ccgcttcaac gcgacgtgc tgagggccac gacgcggctg gcgctggcga 360
ggtacgatgg cccgtgcatg gcgaccaacc ccatcgaccg gtgctggcgc 410

<210> 23345
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H1

<400> 23345

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cagctgcggt cgccacccga acatggtgct cctcctcagc gcgtgccccg agtacggctg 120
cctcgtgtac gagtacatgg agcacggtag cctcgaggac cggctgttcc gtcggggcgg 180
gacgccgccg atcccgtggg cgcaacggtt cccgatcgcg gcggatatcg cgacggcgct 240
ggtgctcctg caccagacaa agccggagcc gctggtgcac cgggacctga agccggacaa 300
cattctgctg gaccgcaact acgtgagcat gatcagcgac gtctgac 347

<210> 23346
<211> 267
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-H11

<400> 23346

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aagctcacgc cggctcangt cgccgcggtg cagagtgagc tccataattc accgggttaat 120
tctcccgtgc tcttgctaat ttactttttt gcgatgcttg cctgatttcc tgtgcaaact 180
catggcgatt tccccgtgtg ctcttgtttg ttggcctggc cagagcattc tgacattgtg 240
caagcgctgt ctgacatgaa gttcacc 267

<210> 23347
<211> 312
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H2

<400> 23347

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 acatatttct tctcctctt tagggggaca ctgctcacia tattcacttg gaactggtgc 120
 atagtatact attccacatt ccacgggtatc ctagaggacc atctgatgct tatgctactg 180
 acacctccga tctcataagc acttcgaatg cctatcacag cggatategc cacatctcta 240
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 attctgctgg ac 312

<210> 23348
 <211> 365
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-H3

<400> 23348

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 gatcgctcat ctccccctaa cctgccccgc tcgcgattcc cgaggcgagg tgccaccac 120
 cgcagatttc ttccgacgga cggttggctc gctcaccccc tacttcgctg atcggatcgc 180
 gtgctgcccg aggtggaact ttataatatt gttgcgtggt ttcataatga aattagggaa 240
 tgcctatggt gaaaaaaatg tanaggatgat gataaggcat aggtgtttga cttagcctgc 300
 cttagctatt tctttgaagc taaggaaaat aataatgggg gtatggcctt taaaaataag 360
 ggttg 365

<210> 23349
 <211> 165
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H5

<400> 23349

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 aacgcacgtt ggtgtatagc ttcgtggcgc gaggcacat cgtcctagcg gaccatgctg 120
 aggtctccgg caactttgcc tccgttgctg cacaatgcct acaga 165

<210> 23350
 <211> 298
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H7

 <400> 23350

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 ggtactccgc gcatgcccgg agtacggctg tctcgtgtac gagtacatgg accacggcag 120
 actctaggac cggctgctac gtctggggcg cagcagacg ctgcgctggg cccagcggtt 180
 ccggatcgcg gccgagatcg cgacggcgct gctgacctg caccaaacta agcctgagcc 240
 gatggtgcac cgcgacctga agccggacaa catcctgctg gaccgcatct acgtgagc 298

<210> 23351
 <211> 193
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H8

 <400> 23351

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 cgtcatgtcg ggacgggagg ggaggggagg tctagtgcgc gtacggattt cctatcctag 120
 ccgcacgacg cgtgcgcggt cccggatcga cgatggccaa tgcacgcagg ccgccgctgg 180
 cctgcgtcga gcg 193

<210> 23352
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-H9

 <400> 23352

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 gacgttctag atagacttaa cgatatggga gtgtaccctg ttgctatattt agcatccata 180
 tcacagagac gattgggaag gtcacgcaga tgcagctct gtggccattg aaaaatacaa 240

atgcgttggt gctgctgatg agagctgtca taatatggtc gatgctcatg acataataca 300
 cgggaatatt gcccatgtta ttaacatcaa gctggct 337

<210> 23353
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A10

<400> 23353

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 atttgtatgg taacgttggtc ctcatggggg gatctaccat gttccctggg attgccgatc 180
 gtatgagcaa ggagatcacg tccctgggtc ctagcagcat gaagggtaaa gtgattgcgc 240
 cacctgaaag gaagtacagt gtctggatcg gtggctctat tttggcttct ctcagcactt 300
 ttcagcagat gtggatctcc aaggagagat atgacgaaac tgggccgggc attgtccaca 360
 tgaagtgctt ctaagttttt ttgggaaatt tttccaaaaa aaaaaaagaa gtttctgggg 420
 aagttcgaca tggtagtca tgcgttacgg g 451

<210> 23354
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A11

<400> 23354

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 tgtgtacatc tcgtatctac ctttgggtca catctatgag agagctaacc aggttgcat 180
 gcttcactat ggtgttgcca ttggattcta ccaaggggat aacttgaagc tgatggatga 240
 tttggctgtt ctgagaccaa caatatcgc aagtgttccc cggttatata acaaaattta 300
 tgctgcaatt acgaatgctg tgaagcagtc tgggggggtg agagaaaggc tgtatcatac 360
 tgcatacaat gccaaagcag atgcatgat aaatggtaga aacccatcac ctatgtggga 420

<210> 23355
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-G11

<400> 23355

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cgtacattga ggctctcaac accagtctct gtcagatgca gagccagagg cattgactgc 120
tgccatgtgt cctcaaactct tgttcagggt gagggacggt agacttgtgc aatatttttt 180
catttgtaaa tatatttggt ggcccaagat aggacatgta agatgtcaga aatttggaac 240
taggcagagc agcgaaaatc tattataact cgaccagact actattatga tatggaatta 300
gggtggagtgt acgtgttaag ttcattctgc gtgaattcag gcagaagctt gaaaacgaaa 360
tgaccaatca tggtcacttg tggaaatgta aactacttcg tagattctct attagtactc 420
tattccggtc ttttt 435

<210> 23356
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-022-Q1-K1-A12

<400> 23356

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tggtaaactta attgcatatg taccacggcc acgtttacgc attaagtttt accactctga 120
tctgcacatc tcacatctac ctttggtctca catctatcat agagctaacc accttacatc 180
gcttgactat ggagctgcca ttggattcta ccaccgggat aactcgaatc tgaatcacta 240
tctctctggt ataagaccaa caacatacgc acgtgtatca cgcattatat tacaaccttc 300
atgctgcagt tgcaaagtgt gttcagcaat ctgctcgatt gagataaacg ctgtatcatc 360
ctgaatacaa tgccacgcga catgccatga taaatcatag aatccacata cctatatggg 420
aca 423

<210> 23357
 <211> 420
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-022-Q1-K1-A9

 <400> 23357

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 acgaccacgt ccctcctcgt cgacgatctc gtagcggcgg cgcacatggc gagcgacggc 120
 gcggcggtta cgccagcgaa gggtacccca aagaaggcca atctcctcga ccgcactcc 180
 atcaagcacc ttctcgacga gaccatctnc gaggtcgtga agagtaaggg ctacaccgag 240
 gacacgcggc tgggcaactg gaagctgggg atcggagccg tcgtgattgc tgtcgccctn 300
 ctgcgtcagt ttacccccaa gaagttcccg cagaaccgcg atttcctcct tggctgcac 360
 gcctgtatg tgggtgctgaa tgtggtgctg ctgaccccta gctacaccaa ggagaaggat 420

<210> 23358
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E1

 <400> 23358

cttgcacgta cgagctcaga aggaaggcag aggcaaaagc agccatggcg aactcgtcgt 60
 ccggccttgc ggtgaacgac gagtgcaagg tgaagttccg ggagctgaag tcgcggcgga 120
 gcttccggtt catcgtgttc aggatcgacg acacggacat ggagatcaag gtggaccgcc 180
 tcggcggacc gaaccagggc tacggcgact tcaccgacag cctccccgcc aacgagtgcc 240
 gctacgcgat ctacgacctc gacttcacca ccatcgagaa ctgccagaag agcaagatct 300
 tcttcttctc ctgggtccct gacactgcac gcaccaggag caagatgctg tacgccagct 360
 ccaaggacag gttcaagagg gagcttgacg gcatccagtg cgagatccag gccaccgacc 420
 ccagcgagat gagcctcgac atcgtcagga gccg 454

<210> 23359

<211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E10

 <400> 23359

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 ggcgagcgcc gtcgcggtcg gacccctac tggccgcggtg tctggcctcg ggaggagaac 120
 gtgagatcac ggagccagga ggggtcgaaga tgtgatgtgg aatggctagt attgctctcc 180
 agcgatcacc atggccgcgg tgccgcactc cgtcatggcc agtaatatcc gtactgcaat 240
 ttacgtcttt gcctctctat atgtattgct accatagaat ctagggttgcg atgcacctac 300
 attctacatt 310

<210> 23360
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E11

 <400> 23360

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 tgtccaggaa aacttgaggt ccagttttca tgttccagga gcagctagca tgtctgatca 120
 gttttctgag ctttcttttg agaatgatgc ttgcataata tgccaggagg agtataaagc 180
 taaagaactt ataggaaccc ttgaatgcgg tcacaagtac catgtgaact gcataaagca 240
 atggttgatg atgaaaaacc tgtgccccat atgcaagacg acagctttgt catcagatag 300
 aaggaacgga tgaccgtcgc caataatgtt gttgggttgt taccgcgtgg caaattagcg 360
 tggattttgt atatagacat ggttgccctt atttgccgtg cccctttgct gtggacataa 420
 actgagcttc gaaacact 438

<210> 23361
 <211> 365
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E2

<400> 23361

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gggcgcctgc gcaaccaagc ccaagacgct tgaggggcag gccccagctg aggccgccgt 120

ctccacaccc aaggttgcg ccgaggccac tccaatctcc gttgaggttg cggctgatga 180

acaggtagct gagaaggtgg tgggtggagga gccggtgcg gctgccgacg ttgagcatca 240

gaaggctaata gaggtgctcg ctccagaggc ggccgtcgcc gagcccgacc acaaggagga 300

ggaagccgtg gagaagaccg tcgtctagga ggagaagcca gcggcagcag cccatgcaga 360

ggaaa 365

<210> 23362

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-E3

<400> 23362

ctcacgcgtc cggacccacg cgttcgcgaa tggcggttact ttacctagac catgacatgg 60

gggttattgc gataaacatc cgagagacgc actggtatct tgctgtgac catgcaagaa 120

atatgcagat actagtgtc gagacacttg atacttcaca agaccgtaaa gacctcactg 180

actctattaa aggtctgcaa tggcaaattg atatgatata tcaacgtacg gagttataag 240

actacacgtg gtcagac 257

<210> 23363

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-E4

<400> 23363

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gatacctaac acattgcact cagactacat atactgtgtt tgctgtggagc atgccgtatg 120

cgtgtgtgag cttgcgcata ttggacatct aggccgtgcg tatcctgcga tgaaaggcgc 180

cgtcaccggc gcatcgaccg tgctgggtcg 209

<210> 23364
 <211> 243
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E5

 <400> 23364

 ccacgcgttc gtcacatcta gcgttggttt tggagctcgt gcaaaatacc tggggattag 60
 gtcagttata aaaatagcca aggtgactgc tgtgcacact taaatcgtgg cgcattcttc 120
 gagtcatggc gttcacgcat ctacaaccgc gacacttcag actaacgtgg acagccttgg 180
 ccgaactaac catcgatacc gcaattttac cgacagtcta atcctaaacg agtgccgtta 240
 ccc 243

<210> 23365
 <211> 326
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E6

 <400> 23365

 cccacgcgtg cgtcgactcg cgggtcgagt ttcggcacat gctggtgcac ctgaggacgg 60
 ggcagatcac gctgaacaac gtgctgaaca tgatgctcat caacctgtac atggaccact 120
 ccaacgcgct gatccgcgac ttgaaccggg actacaagct gcactagcgg atcgacacgc 180
 acagcgactg cgacctggcg tccatcctcg cgtgcatcaa ccactggatc atccacatgt 240
 gcatgtacag cttgatcgac gggctgatcg actcgacgaa cattaccacg tccaacaccg 300
 agttcaacag ccactacaac gacgat 326

<210> 23366
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-E7

 <400> 23366

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gggcccgccc aaccatggcg ggcggggcgc ccgtgcgcgc ctgggtggtg gcgctggcgc 120
 tgggtgctggc gtgcgcgctg ctccagccgc ggccgtccga cgccgcggcg cagcccggcc 180
 cgcatgcgc ggcgacggcg gtgtcgtcgg gcgccgcaa gcccagtgc gtggccggcg 240
 ccaggaacga ccacgcgtgc cgcgtcggcg ccgtgcacga cccggacagc caggaggagg 300
 agggctccag cgtcaccatc gacgcgcccg tcgccgcgcc cgacgacgtc ggccacgacg 360
 acggcagcga ctacaacgac cccgacgtgc ccaacaacga ccagctcgtc gtcgtcggcc 420
 actgaaagct gccgcgcgcg cgcgcgcgcc gacc 454

<210> 23367
 <211> 393
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-E8

<400> 23367

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 aggttcacga ccaagctcat tgtgttctaa gaaactttct gtgctctccc aattttacat 120
 tattaggaag tggatgaata tgcattgcagt tttgtttgtt ggaactagat gtgtatggaa 180
 gaaatatgat cttttttccc ggaggttttag aattatatat ttagggctag tttggaaact 240
 tcattttcca agggatttct attttgcta ggaaaaatga actgggcttc ccaaactagc 300
 ccatgatgca tttcccatcc tgtgtatcgg gcctttttct ctgtccaaga cgctctntct 360
 gaagtacgat cttgatttaa atccatgatg gat 393

<210> 23368
 <211> 157
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-E9

<400> 23368

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 tgggagattg gcctgactac agcaatgacg gtgcagtctc atgatcacca ccaccaccac 120
 cacctcagat tccctttcct cgtcagcttc tgctctc 157

<210> 23369
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F11

<400> 23369

cccacgcgtc cggggcaacc cctacgtcgt cttcaccccc gcgctctgccg caccgtccac 60
 ctgccagacc gtcaggaagg cgctggggccg ctacggcaag ctgctcgagg acggaacccg 120
 caaggccgcc gacgccaccg gcaacatctg gcaccacctc cggacggcgc cgaacatggc 180
 ggacgcggcg gtggcgcggc tgacgcaggg gaccaaggtg tacgcggagg gcggccacga 240
 caggggtgttc taccagacgt tcggcgccat gcccggggag cagctccgca aggcctacgc 300
 ctgctacctc tccacctcct cgggccccgt catcggcacg ctctacctct ccacggcgcg 360
 cctcgcttc tgcagcgaca gcccgtcttg ctaccagggc cctgccggcc agccgcatga 420
 gtgcatgtac tac 433

<210> 23370
 <211> 349
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F2

<400> 23370

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 gatttcgttt gggtctactt tccgtcttgt ccgtcgccga ggccttcttc ccctcgcttg 120
 ccaactgcag caagcagatc agatccatcc aaccactaac aggaaggcag gaagcctgat 180
 gggctgggct gaagttgaac catgagtgcc gtcacggttt cgtcgtcgct gaacccgaac 240
 gcgccgatct tcatcccggc ggcgctgctg cacgtggagg acttctcgcc gtagtggtga 300
 gacctcatca gcaccacctg ctgttccgcg accactgata ccgcgagca 349

<210> 23371
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F3

<400> 23371

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cgcgccgat gcagcgcggc gccgagcgca tgtgcatgcc ggcccgctcg gtggagcagt 120
tcgtccacgc cgtcaggcag acagtcctcg ccaacaggcg ctgggtgccg ccgcagggga 180
aggagccct gtaccttcgg cctctgctcg tggggagcgg cccgatcctt gggctggctc 240
cgcccccca gtacaccttc ctcatctacg ccgcaccgt tgggaactac ttcaaggagg 300
gcctggcgcc catcaacctg gtggtgcatg acgagttcca ccgcgcgatg 350

<210> 23372

<211> 252

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-F5

<400> 23372

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ttggcatgag gggaggagga gccggagaga agctccacca caaggaggcc aatgccgcgc 120
acggcgccgg cgccggcgcc gcggggaagg gggccaaggc ttgtttcgtc aacggcctcc 180
tcctctacgt cgctctgccg gtgctggtct tgtacttcgt catcatcgcc gnctcgcagt 240
tctacaaccc tc 252

<210> 23373

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F6

<400> 23373

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ggtctggtct ggtctgctg cctgccaggt cagcagcct ggctccaccg atcgcacacc 120
atacattgac gtcgtcgtcg cggccgtacg tgccgttga cggaggagga ggcggtggcg 180

ctacgacagt atatatatac acaattacac atacacaccc caaaaagaaa agaaaaaaac 240
 tactgccatt gctgtcggtg tgcgtagctt ctctctatat atatacccggt atttaaattc 300
 tcgacaaaat ttgtttgacc acggtgatct gtcatatatg tcgtccattg atttgtgtta 360
 atttgacata agacgttgaa aagaagcttg actactctac tgtgc 405

<210> 23374
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D9

<400> 23374

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 ctggtcgccg tgctagcggg ggccgccgat gtcgccaacg ccggccacgc caagccccta 120
 acgcctggcg ggcgcgtggg acacgacaac cacggcaagt tcacggccgg gccgtggaaa 180
 cccgcccacg caaccttcta cggcgggcgt gacgggtccg gcaccacggc gggcgcgctg 240
 gggtagaagg acacgcgcac gcaggggtac ggcgtgcaga cgggtggccgt gagcactgtg 300
 ctgttcggtg actgcgcggc ctgcgaggag tgctacgagg tgcggtgcgt ggacagccct 360
 agcgggtgca agcccgaacg ggcagcgtg gtggtg 396

<210> 23375
 <211> 267
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-F7

<400> 23375

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 ggcattgatc cgacctccc taagccatcg atgagtagag aaaaacagt aacgccacct 120
 ctgtactcgc cccaccttat ggcgcgtcgc tcctgcagta ccggcccacg ctctgcgcgg 180
 cgctcaagtg ttacggctgc cctcaaatec gtcgtcggac cattggcact ggggcaagcc 240
 aaagcacgga caggtgctcg gcgtgct 267

<210> 23376

<211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-F8

 <400> 23376

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 ggcgcgaca tcttcgccg cgtgcgcgcg cgggggggag agacgacgac ggaggagctg 120
 gacgtgcggt acgagctggt gagcgacggc ttcccgtgg gcttcgaccg gtcgctgaac 180
 cagaccagt tcatggaggg cgtcctgcac gtgctcccg cccacg 226

<210> 23377
 <211> 387
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-F9

 <400> 23377

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 tggaacaggt cctgtaacta ctacgtacca tctgcattgc atgtccacga ctatagcttc 120
 tagtttagac tttcaatcat actatcatca aagcaaaggc cttcctgccg gcgtatttgc 180
 tttgactctt gtacttcacg ccattagata tctagcactt ggtcactctt cttaattagt 240
 tcgctttgct tttgaggttg attataccat tttgatgcag cgtgaactgc atgcatggac 300
 atgcaacgct ccaatggcct ttgtaaagt aaatgtttat cccattatc tgcatttttc 360
 ctatcaaaaa tgaactgggt ctcatat 387

<210> 23378
 <211> 254
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-C2

 <400> 23378

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 ggctatgttc atcacagtgg tgtcagtgtc cctgggtttc ttctgcaacc tattctctga 120

tgagctggat ggactatgta acatatcgga ttacaaatct atccaatatc actatgccgg 180
 tttctgtact aaaacctctg agtgtcctag ctatgtgaac ctgggcgcat tcctcatttg 240
 gcctaattggc gtat 254

<210> 23379
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-C3

<400> 23379

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 ggtttcccag cagagaagag cgcgtgcaac caccacattc atataattaa taagcaaggt 120
 ttagagaaga ggcaacatgg gcacaaagat gaagaagggg atcctgaagc cgttccgcta 180
 tatctcaacc atcatggatg gtaaggaggc tgaaatgcaa attgggttcc cgacggatgt 240
 aaaacacgtg gcacacatcg gttgggatgg tcttggtcc accaacaaca ataacaacaa 300
 cagcaacaac aatagtggcg gagcacctag ctggatgaag gattaccact cggcaccgct 360
 tgactcgtcc tcttttagga gtgagagntg gggcacggct gctgcaaadc cctgggcttc 420
 tcaagagata gtcattgatg ggagcaagcg tcga 454

<210> 23380
 <211> 291
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C4

<400> 23380

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 cgtcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggccttg 120
 tgggtccttc gacatcacca agttgggccc ctccggcaat gtgcatgaca gacagcacgt 180
 atgctgagca cgaagcatgt gcatcggcgt tcggcatgca ctgggaagca gacaatgctg 240
 atacccaacg gtgacttact tgtctgacat ctcaacttct caagcccttg c 291

<210> 23381
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C5

<400> 23381

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atgtcgtggc agacatactt cgatcagcac attcttatcg agatcgagcg ccagttatag 120
accaggcctc atatactcag acattacgaa accgatcctg aaaacacttc gctatatctc 180
aaccattatg gatagtaaag aggctgaaat gcgaattgcg ttcacgaccg atgtttaaca 240
cgtggcacac atatcttctg atatcttctg ctctacctac aacactatca ccaacatcga 300
catcaatatt ggcgggagcac c 321

<210> 23382
<211> 255
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C6

<400> 23382

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gggattactt catatacatg ccaaaaattc aaccattcaa aatcatactt caatcatatg 120
catattcaat caactaatta acccatgaca acaatataca agtcttaciaa ataataatgc 180
caacattaat cgatagatta ctgatcatat catttctact ttgcttacat ttttattcct 240
aatcttctct aattt 255

<210> 23383
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C7

<400> 23383

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gtccgcccag atccgcccgc gctgcgctcc agttccctgt cgcgataccc tggatttcgt 120

ccgtggcgag tggctaccgc ttgtgtcct tttgtgacag ctgaatcttt gtgggttcgaa 180
 ggcgattgac ttgggttcac tgacgcggtg acgccaatg agtcccacg tctccacatc 240
 gcggggtctt catcccccaa gcaagcttgg gacgttggac tcacccggtg cgtggcgagcc 300
 gccagcacct atggctcagc ccgaagcatg ccgcggtgat gacca 345

<210> 23384
 <211> 365
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-C8

<400> 23384

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 accgcgagaa ggggatcgcg gaaagtgaga gcagaatcaa caatccacct gtcctcgcag 120
 tcgatggaga tgaaggttgc tgcctcacgg ccaggatgca agaaacgccc cccgagccgt 180
 ctccagaagc atgcgccagc gtcgctgcaa ctggagcagg ctgtcgccag tgcggggacg 240
 ggagcaccgt ccgcggtgtg ggggtgacggg agggcgccga tcccgtcct gtcgccgctc 300
 gtcgtgtcgc ccatggtgcc ggtctgggag gcggaccaga cggggggcgc caggaaggan 360
 ggagg 365

<210> 23385
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-C9

<400> 23385

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 gggcaciaaag atgaagaagg ggatcctgaa gccgttccgc tataatctcaa ccatcatgga 120
 tggtaaggag gctgaaatgc aaattgggtt cccgacggat gtaaaacacg tggcacacat 180
 cggttgggat ggtcctggct ccaccaacaa caataacaac aacagcaaca acaatagtgg 240
 cggagcacct agctggatga aggattacca ctgggcaccg cttgactcgt cctcttttag 300

gagtgagagt gggggcacgg ctgctgcaaa tccctgggct tctcaagaga tagtcatgga 360
 tggagcaagc gtcggagaaa cctncttcag ggacacgaaa agcgaggc 408

<210> 23386
 <211> 453
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D1

<400> 23386

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 cgtgtcataa aattggtaga acatctggag aaggggcaag ccatcaagga aatgtttggg 120
 ttaagcttca cattgaacca acgagctatc cgaagacctt tcagctgggt tagtgctaac 180
 tcctaaagca agcatcgaga caaattatga ttatgatggt tgatagttgc atgggacaac 240
 aaacaatgcc atgatgaaat acatagtaga ggagacctct tgtcagtcac ccatacgagc 300
 attgattttc actgatgccc ctgtatatnt cgtatcactt attatgtaga tgtacatgtg 360
 atggattttg cattgtggaa ctgttaaaat gaaccgacat gagatgcaa atctttgcac 420
 canacagtat gatgtattgg tgatctgatt ttt 453

<210> 23387
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D10

<400> 23387

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 cgggtcaacc tcgcactcct ggcgctcttc accgtctgca tcagcttcgc cgaggggcta 120
 acctgtgtca ctcgcaacgt acaagacatc ctggacgcgg tcacggtcgg gccgtgtaaa 180
 cccgtccacg caaccttcta cggcggtcgt gacggatcct acaccaccgc ggtcgcgtgc 240
 ggctacaagg aactcgcac gcacgggtac tgtctgcata ctgtggccgt gagcactgtg 300
 cttgtcggcg actgctcggc ctgcgtaggg tgc 333

<210> 23388
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D11

 <400> 23388

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 tatttctaaa ggaggacaag cgattgcggt ttcaagggat cacaaacctg atcagacaga 120
 tgagagacaa agaattgagg acgcaggggg ctttgttatg tgggctggga catggcgagt 180
 gggtggtggt cttgctgtct ctgcgcatt tggtgataaa ctcttgaagc agtatgttgt 240
 cgctgaccct gaaatcaagg aggaggtggt cgacagctcc cttgaattcc tcatecttgc 300
 tagtgatgga ctctgggatg ttgtcactaa tgaggaagct gttgccatgg tcaagcctat 360
 tcaggacccc caggaagcag caaacaagct tctcgaagaa gcgtcccgaa ggggaagctc 420
 tgataacatc accgttgtca tcgt 444

<210> 23389
 <211> 454
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D12

 <400> 23389

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 gcgaacggcg cggcggggat catcgtgtcg aaccacggcg cgcggcagct ggactacgtg 120
 ccggcgacca tcagcgcgct ggaggaggtc gtgaaggccg cccggggcca gctccccgtg 180
 ttcgtcgacg gtggcgctcg ccgcggcacc gacgtcttca aggcgctcgc gctcggcgcc 240
 gccggcgat tgcgcgggag gccggtggtg ttctccttgg cggcggcggg cgaggccggc 300
 gtgtccaacg tctgcgcgat gctgcgggac gagttcgagc tcaccatggc gctcagcggc 360
 tgcacctncc tcgccgaaat caccgcgaag cacatcatca ccgagtccga caagctcagc 420
 gccatcccgt cgcgcttgta gatgaggcaa aatc 454

<210> 23390
 <211> 357
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-D2

 <400> 23390

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 cgaagatggc ctcatcttct tggttccttg tgactatctc tacggtttgt gcgcgcacgc 120
 atatgtatct gcattattcc tgatagcatc ttttcgctgg ccagatgatt agagagctga 180
 aaatatatta agaacaatac catagagaga agttcctcag tgctctcgca gcttaaggag 240
 caaacagcga cactttactt cgttttttat actttattat agccgcacta gttattactc 300
 gggctacatt tgtgaacagc gactgtaata tttntctact ctatattcgt agtgcga 357

<210> 23391
 <211> 315
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D3

 <400> 23391

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 cggcacgtac aatttgacta acatcctgat aactatcaag acattacgta cacgcacgca 120
 ttaaccttca cattaaccca actagctatc ataagaccat ataactatca tacgagctaa 180
 ctactaatgc aagcctttac acaaactatt aatatgatca ctacattctt acatcataca 240
 acaaacattc ccatgataaa atacatagca tactagacta cactacaacc actgatacaa 300
 tcatctactt tcaact 315

<210> 23392
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D4

 <400> 23392

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 gggcctgtgc ccagcccggg ctgcctgcga gggcttctga tggccctcga cgccgtcctt 120
 tcctcctagt gccagcttt attgcagatc cagccctctg atcctcgtct tctttcacct 180
 ctccaacatg aaggtcaaca ccaagatcaa gctggagccg gtcattggcg cgctcgtcgtc 240
 cctgccgcgg agcgccagcg agctaccgga cccgacgtca ccgttcagct ccaacacggc 300
 gcaccacca gtctacgtgc ccaccacacc taggttgctc ttatcgggct cgctcgttc 358

<210> 23393

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C12

<400> 23393

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 cggcgctcgt ctcgttccta agagcttgga ttccacatcc gggaacatcc tcctcgttat 120
 aactctcata cgggtacgct cgcttacgat catgcgagct accacggtca cacttgcgta 180
 ctcggatgta aagctcgatc aacttgaacg ggtattcgca tctgccaacc ttgtggttca 240
 acctaggcac tctgtgatgt atg 263

<210> 23394

<211> 296

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D6

<400> 23394

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 ggcgacagct ccgacctgac gacgaccaag ctcgacgagc tccgagccta tctgcagcac 120
 ctgcagctgg aaaaggaaaag tcgcaccaag aaggtggcgg aactcgtggc tcagctgcac 180
 tcgtcatcct tggctctcgg catggatccc acagaggcga acagtgtcat ccatgttagc 240
 gccgaacgct cgcattgtgca gcccggcgac atataccacc gctccatata agtgct 296

<210> 23395

<211> 224
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-D7

 <400> 23395

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 cggacacttc tcccaccgga ccactacata cctcaacgac ctactaacct atctgcaaca 120
 catgcagatg aaaaaggtag gttgcaccaa catggtcgcc gatctctcgg ctaatctgca 180
 cttgtcatcc ttggttttcg acatgcatcc cacagaggct aaca 224

<210> 23396
 <211> 352
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A4

 <400> 23396

 cccacgcgtc cgcccacgcg tccgggagga gctgaaagct actgtacaag gtgtcctcaa 60
 gtgttgctca cactatTTTT gtttcgcatg catcatggaa tgggtctaggg ttgagtcgag 120
 atgcccattg tgcaagcagc ggttcactac aatcaccaag tcatcgaagg tagatcttgg 180
 tcttgattg agaagagctg taatcaaggt cgaagagcgt gatcagggtt atcagcccac 240
 tgaagaagaa ataaggcgta ggctagacct atatgaaaat gttgcttgta tagagtgcag 300
 tcaaagtggc gacgatacta tcatgctact atgtgacatt agtgattcct ca 352

<210> 23397
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A5

 <400> 23397

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 acgtggctga gctaactctc caaactgacc aagcttcacc acgagaacat cgctacatca 120
 ttatctacta cgccgacgga aaccatcgga ctcttgctta cgattccgtg ccttgccgca 180

ccttagaaca tcacctgctc gatctaccgg cagacaagaa accaatagac tcgtgcacta 240
 tgatcaaagt ggctcacggc gcaacacatg agctacagta cctgcacgag ac 292

<210> 23398
 <211> 432
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-A6

<400> 23398

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 gctggtcctc ttctgcatcg tgcattggtga gaaggaagag tcaaagggca tcgatgcgaa 120
 agcgtccggg cctggtgggt ccttcgacat caccaagttg ggcgctccg gcaatggcaa 180
 gacagacagc acgaaggctg tgcaggaggc atgggcatcg gcgtgcggcg gcactgggaa 240
 gcagacaatc ctcataccca agggcgactt ccttgtcgga caactcaact tcacaggccc 300
 ttgcaagggc gacgtgacca tccaggtgga tggcaatctg ctggcgacca cggacctaag 360
 ccagtacaag gaccatggnt aatggatcga gattctacgc gtggataacc tggatcatcac 420
 cggcaaggga aa 432

<210> 23399
 <211> 426
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-021-Q1-K1-A7

<400> 23399

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 gcggggtcgc caagctgagc aagctccacc acgagaacct cgtcgacatc attggctact 120
 gcgccgacgg agaccagcgg ctgctggtgt acgagtcctg gcccgccggc acctagaag 180
 accacctgtt cgatctgccg gcggacaaga aaccgatgga ctggtgcacg aggatgaaag 240
 tggcgcacgg cgcggcaciaa gggctggagt acctgcacga gacagcgaac ccgccggtgg 300
 tgtacgggga gttcaagggc ctccacatac ttctcgacga gaggtccacg cncaagctct 360

ccgacttcgg gctcgcgcag ctcgccagg cggggggcag catgccagtg gcgtcgccca 420
tgatgg 426

<210> 23400
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-A8

<400> 23400

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gggggggtctc caatctgagc aagctccacc acaagaacct tgtccacatc attggctact 120
gcgccgacgg agaccaacgg cttctggcat accaatcctt gcccgccagc accttagaag 180
aacacct 187

<210> 23401
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-B1

<400> 23401

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ggctccgtct ccgtcctcta gcgaccgacc aacgcgccga gcgaagatgt cgcggcagac 120
gtacgtggac gagcacctga tgtgcgagat cgagggcca cactcacgt cgcgggccat 180
cgtcggccac gacggcgcca cctggggtca gagcaccgag ttccccgagt tcaagcccga 240
ggagatggct gccatcatga aagatttcga cgagccgggg cactcgcgcc cgaccggcct 300
gatcctggga ggcaccaagt acatggtcat ccaaggcgaa cctggagctg tcatccgtgg 360
caagaaagga tccgggggca tcaactgtgaa gaaaacaggg cagtcaactca tcattggcat 420
ctacgacgag cccatgactn ccgggcagt 449

<210> 23402
<211> 199
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B10

<400> 23402

ggaagacttt gacgaggagc ctgatgaata gtctatacat aaaagcacct acgatctcac 60
cgagatcgag gatcaagact tgggtgaaagc ccagaatata aacgacaacg tagtcgatta 120
tagctagact cgctacatct catggcgcgga aatgacacga cattgttaaa cacatagctc 180
accaacgtta tatgaagct 199

<210> 23403

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-B11

<400> 23403

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cgagtcatcc ttgtgttcc tgcgcgtggc tcaccggctg ctctggccgc cttcgatgtg 120
atagagatgc tggccgacaa gccacgtac tccacgttcc tgaagctcct gcaggacacc 180
aaggtcgcgg gcgaggcgaa tcagctccgg tcggcgacgc tactggtcgt ccccgacaaa 240
cttgccaagc ctctggcgtc gctgcccgc gataaggtgc ggccggcggt ggagaaccac 300
gtccttctca gttacttcga ccccatcaag ctggacgaga tgaagacacg caccgtcatc 360
ctnccacgc tgctctccgt caccgacaag aaactcggcg tcctcaacta caccagggcc 420
gacgacgggc agatgtactt cggcgcttcc g 451

<210> 23404

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B12

<400> 23404

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ctgaacactc cgcagcgtat ccgcctcccg ccgcggcttc gtcctcttcg ttccctcgct 120

cgccgcccga tccgccgtcc tccgcccgt cccgtccgcc gccaccgagg ccgatgacac 180
cgaagccccg gctccacatc caccgcccac cgaagaatcc ctctccccgc agccccccgc 240
ggatgcggcg gagacgaagc ctgaggccag cgagtcggcc atgtcgaggg tgtacgacgc 300
gacggtcctc ggggagccag aggcgttggc aggggacgcg cgggggcggg tgtgggagaa 360
gctggcggtc gcgagggtgg tgtacctcg cgaggccgag ctcgaacctg accccgacga 420
ccgtgtggtc gagctcgaga tcgtcagggg cctcgcg 458

<210> 23405
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B2

<400> 23405
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cgaacgctgt cacacaatct atagccatgc actggacatc taacgatatc atcgacctct 120
ccttgctgaa tgctgacagc aatttcggca tcaggaacgt ctatctctga tacgcatcag 180
catgtaccct tgcattgctt gacatagcac acaatgtcgt cgagaccaac gggatatcac 240
tagtcgagat tgacaaggat ctaattcgaa cagattgatg actatgccta gtcatactga 300
ctcgccaagg acactat 317

<210> 23406
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B4

<400> 23406
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ggtctgcacg gtgcatggtg agaaggaaga gtcaaagggc atcgatgcga aagcgtccgg 120
gcctgggtggg ttcttcgaca tcaccaagtt gggcgctcc ggcaatggca agacagacag 180
cacgaaggct gtgcaggagg catgggcacg ggcgtgcggc ggcactggga agcagacaat 240
cctcatatcc aagggcgact tccttgctcg acaactcaac ttcacaggcc cttgcaaggg 300

cgacgtgacc atccaggtgg atggcaatct gctggc

336

<210> 23407
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B6

<400> 23407

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aaccaaacca aatcaattgg tgggtttgta tcgtgccagc ggcccatatg tagacttcca 120
ccagaccaag tccgtctgat tccgcggatc atgcttaca ttaattaatt ggtcttgggg 180
ccaagaagaa taagaagaag attaatgggc cttcttgaag ctttggggcca actagcccaa 240
cgtacataaa agatgaagaa gatgaacatg catgctcagc aaggctttct tcgtgggggtg 300
gtagctgtcg aagaacacgt gctgcgagac gttgtcgc 338

<210> 23408
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B7

<400> 23408

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cggacgcgtc ccgatgcgcc tgcgcgggcc ggaaaacccc tactagtcct agggctcgcc 120
tcgccgccct gatggggggc cggccggggg atctaccct gccgatcttt tccgtgggtc 180
cggcgatcgg gtacgtctac tacaccacgg tgttcgtggc cgtgccgcgg tggctggacc 240
tgtccacggc tgcgggggta gccaacgcc acgcgttcac agcgctagca gctgcctgcc 300
tcgccacctc cgccgtcgcc gttcgcaggg accccgggcg ggtgcccccg gggtttgtgc 360
ccgacgtcga ggacgccgag agcactgtcc acgagatcaa gcgcaagggt ggtgacttga 420
gatattgcca gaaatggtgc cactata 447

<210> 23409
<211> 384
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-B8

<400> 23409

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tgcagataat cttgctgctt gttttgagaa gcatgtacag acatacaatg gactagatat 120

ctgcatcaac tgtgctggaa ttgctaataa aacactagtt tatgatgata catctgatgg 180

aactagaaca tggaggcatg ctgttaatgt gaaccttggt gctgtcattg atgggtactcg 240

cattgcaagt caaataatgc gaaacaaaa gaagcccggg gtcataataa acattgggttc 300

agcggcaggt ctttataccta tgttcctcga tcccgtatat agtgcggcaa aaggggggtg 360

ggntatgttt acaagatcac tttc 384

<210> 23410

<211> 177

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B9

<400> 23410

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gaatacatgg aacattgtta gaaggaatag tcaaaagcca tagatacgaa agcgtcctca 120

cctgttggat ctatccacat cactaagttc agcacctgcg acaatggcaa cacagac 177

<210> 23411

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-021-Q1-K1-A3

<400> 23411

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ggctctacct agctagctag ccagccttcc tgtagcgcg cagagatggc tgccccctgca 120

tccaccacgg cggcgggcggc ggcggcgctg ctgcttctgc tcgtgtcgct cgccgcgggc 180

gcggacatgt cgatcgtgtc ctacggggag cgcagcgcgc aggaggcgcg gcggatgtac 240
gcggagtgga tggcggcgca cggncggacc tacaacgccg tcggcgagga ggagcggcgg 300
taccaggtgt tccgggacaa cctccgctac atcgacgcgc acaacgccgn cncgcgcgcg 360
ggcgccact ccttcgcct cggcctcaac cgcttcgccg acctcacaa cgacgagtac 420
c 421

<210> 23412
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C10

<400> 23412

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cgggtggcgc gctgctgctg gtcgcagcgc tgtcgcctgc cgcgcgcgct gcggcgggtgg 120
cgggtggcggg aggggcgcgc tcggtgccgg cgggtccgct ggacatcgcg cagctgggcg 180
ccaagggcga cggcaagtcg gacagcacc ccatgatcct caaggcgtgg aagaacgcgt 240
gcgaggcgac ggggggtacag aagatcgtca tccgcgcggg caactacctg acgggcgggc 300
tgagctgaa gggccctgc aagtctaca tcatcatccg tctcgacggc aacctgctcg 360
gcaccggcga cctcagcgcg taccaaagga actggatcga gatcgagaac gtcgagaacc 420
tgtccatcaa cggtcacggc accatcgacg ggc 453

<210> 23413
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-C11

<400> 23413

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cggcggcgaa ggcggagctc gttacgggga ttccacatcc gttaatcggc cccaccggat 120
ccctcgccgc ctcccacggg cggggccgcg ccgtggcgcg cgcgcaggcc gagatgcgga 180
agaggatgga gagcgtcgac gatctgatcg aggaggcaaa actgcgcacc gtctggtggg 240

cgctctgcat cttcgccgtc tectacttcc tcacgcgtga gcacgtcccc ttctgtccct 300
ctctgcttcc gtgcctcatt tgcgaccgaa ttggttttgc ggctcgtgtg ggccgcgaga 360
aggacggggcc ggggcataaa tctgggtcga ggagacctgg ttacgcgtgg gctgcctang 420
ggatgtggcg t 431

<210> 23414
<211> 298
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G4

<400> 23414

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tttaactggt acagtggatg caaaagatgg cacaactact gtagtatctg ccaaggacag 180
ggcataaaca gtcatgactc tagcattttc ggactctaata cctgaggatc tcaaccggcc 240
tggtcatatt ttatctttga aatacacata tagtggtgat atgaaacagt ctggacac 298

<210> 23415
<211> 182
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G5

<400> 23415

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gtgacatacc acgctggagt tgcaactgat gatgccgctc gatgacttga cctcaaatcc 120
attaaaacag gttgcaactc tgaattctca cattaaatcg atatgcatat tcacccaaat 180
tg 182

<210> 23416
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G6

<400> 23416

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gccggttccg cgtgtgcaac gtgggcatca aggcgtcctt caacatccgc atccaggacc 120

acatcatgaa gctggtggag atggaggggt cccacaccat gcagaacgac tacgactcgc 180

tggacctcca catcgggcag tgctgtcgt tcttgggtgac cgcggaccag aagcccggcg 240

actacctgct ggtggcgctc acccggttca tcaaggagaa gagcagcacc acggccgtga 300

tccgctacaa gggctccagc gccccgcgc cggccaagct gccggagggc cccagcgggt 360

gggcgtggtc catcaaccag tgcaagtcct tccgctggaa cctgacggcc agcgcggcgc 420

gggccaacc 429

<210> 23417

<211> 70

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G8

<400> 23417

aaaagacata cataaacaaa aaaaaataaa atcaaaaaaa aaataaaaaa aaaaaaacat 60

ggggcgtcgt 70

<210> 23418

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G9

<400> 23418

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tgcatggtga gaaggaagag tcaaagggca tcgatgcgaa agcgtccgga cctggtgggt 120

gcttctacat caccaagttg ggcgcctgcy gcaatggcaa gacagacagc acgaaggctg 180

tgcatgaggc atgggcatcg gcgtgcggcg gcaactggaa gcagacaatc ctcatacca 240

agggtgactt ccttgtcaga caactcaact tcacaggcca tagcatgggc gacgtgacca 300

tacatgtgga tggcaatctg ctggcgacca cggacctaaa ctagtacaag gaccatggtc 360

attggatcga gattctacgt gtggat

386

<210> 23419
<211> 278
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H1

<400> 23419

atcggagact cggagccggc aaaaccctaa ggggaaggtt tctgcaagga ggagggagat 60
ggaggggtgcc agccacatgc tcctggagga gccctttccg ctgcctccg tcctctcccc 120
cgccaagcct aaagtattcc catcactcac caagatagtt gggacgctcg ggcccaattc 180
acactcggtt gagattattc aggaatgcct cactgctgga atgtcagttg cacggtttga 240
tttctcatgg atggatgctg cgtatcacca ggagaccc 278

<210> 23420
<211> 212
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H10

<400> 23420

cccacgcgtc cgccgggaac aacaactgcg agatggccac ggtggagacc tcgggcacgt 60
gtatagggtc ctccgggaga tgggcactac acggcaagac agccctcgtc accggcggca 120
cccgcggcat cgggcgtgcg gtagtggagg agctggcggc tctgggggct tgccgtgcac 180
acatgctccc agatggcgggt ctagctcgaa tg 212

<210> 23421
<211> 367
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-020-Q1-K1-H11

<400> 23421

gctgttcact ggaggggaaca gtcaagatat tgttcaagag aggaataaat ggcgcagaca 60

gatcaaggag aatctcatgg ctgctgcagc aaacggaaaa gatttagaag agacagcaag 120
 cgatgacgat accttggatg tgagtgatga tgacttcttt atgtctggaa gttcaagtga 180
 tgaagaggct gatgatgagt ggactgacaa gagtgcctaag gaaccagcat ccagtgcctc 240
 aggtagggca gcatctggca tgtcaagtga tgaaaagaac cagcgtcaga gagatgctcg 300
 agttcttatg ccgncaccac gctcattagc cccanatagg agcagacatg cagataaccg 360
 tgcgata 367

<210> 23422
 <211> 468
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H12

<400> 23422
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 gaagagcttg gtgtgtcaat tcttcaggac cttcaccaac agcgacagtc actactacat 120
 gtcatacta ctttgcacgg agttgatgac aacattggca agagcaagaa gatcctggct 180
 gcaatgtcaa agaggatgga taggaacaag tggatcattg ggggaattat cacggctctc 240
 gttctggcca tccttctcat actctacttc aagctcgcta attaagcctc tgctgcagg 300
 taggttcccc ctacatatct gtgttcagta attgtgtgat atgagttgtc tgaatgccgt 360
 gtattgagca acacgcagct ctccgagcgt catttgttcc ccctcaaacc tgtaaactca 420
 aaatggctta ttctgtgtat agtctggtat tcccaactat gtaaaatg 468

<210> 23423
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-H3

<400> 23423
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 ggcaatcatg ctgacgttcg acaacgcggg catgtggagc gtgcattcca acatctggga 120
 gcggtactac ctccggggagc agttctacat cagcgctcgc tcgccggcgc gatcactgcg 180

cgacgagtac aacatgcccg acaacgcctt acgctgcggc aaggctcgtg ggctgccgat 240
gccgccgtcc tacgccnccg cgcgctaaga cgacgaaggc ctcgatttct cctcgtggtc 300
tgaccatgca atccaaactc aaaagaacaa atacgaaaga agcgtagtga aggggaacaa 360
atgaatggat atatgtaatc ttgagatgca tgccctctca gatcactgta ctggggttct 420
caaaaaaatc attggaatgg gagttatata tataacttta tc 462

<210> 23424
<211> 333
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H4

<400> 23424

gtccaactac ggcgagatcc tctacgagtt cgacatggac atcgacaggc cggagatgta 60
cttcaagcag gcggcgggccg acgagccagc ggacggggaa gcgatgcgga ggtacggcat 120
gttcctctgg cagccccgcg gcgacattgg cggcgcgagg gacatgttta ccggcgccat 180
tgacgaggag cccgagagca gccaccaccg gagcagctac acgtgggttc tatggatgac 240
cggcggcgctc tagacctgcc tgatecgacac caccggaaag cagaacaatg gcaacgacgt 300
tgaatgaacc gtagcccttc gatcggaatt cgg 333

<210> 23425
<211> 288
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-H5

<400> 23425

catccgagac ctacgcgtcc gcagaaaccc taattggaag ggcaactgcac ggacgaagga 60
gatggcgga gacaatcaca tgctcctaca cgagccctta caactcgcct tcgaactttt 120
ccccgccaag cctaaaagat tccgcatcac ttaccaagat agttggtagc ctggggccca 180
attcacactc gggtagagata attcaggaaa gcctcactgc tggaatgtca catgcaccgt 240
ttgattttctc atggatagat gctgcgtatc accagaagac ccttgata 288

<210> 23426
 <211> 195
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H7

 <400> 23426

 agactccacg cggtccggtat ttctgggttg tattaacatt taccgatcga tttttattgc 60
 tgagaagcat ataaacatta tactcacctt taaaaaaaaa aattaaaaaa tatataaaaa 120
 aaaactaact aaaaaaacia ttaataataa aaaataaaat aaacaaaatc aaataatata 180
 taaaaaattt taaaa 195

<210> 23427
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H8

 <400> 23427

 ggattctaac gtttccctcg ttgttttgcc acacatgggg tggccaatc aactaacttg 60
 gttgcagttt tcagcgaaaa atcgtctgcg gcgcaagaga agcgtacaac tcaatttgca 120
 tgatccggat tacagatgca gtcgaaatag atatttatc ttttgggtca actttatagg 180
 attgttattg tacaaaatgc atttttcata gtacatcgga atacttcgtc caaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaagaca aacaataggg cggacccaaa gctaaacata 300
 caacgtgcat gcaa 314

<210> 23428
 <211> 217
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-H9

 <400> 23428

 gataggcgta cacggaaccc gacagctgac acatgcacga agcagacacc taatggaccg 60
 cgcaactgggt cctcctcgag atgctcatta taccgacga cagcatgtcg ccagctcgcg 120
 gacgcggggc atatcgactg cggctatggc agatctatgc gcgtctcgcg acgcaccgtg 180

aagacatgct cgacgatggc ggtcgagctc ctggagc

217

<210> 23429
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-021-Q1-K1-A1

<400> 23429

ggcccttgca agggcgacgt gaccatccag gtggatggca atctgctggc gaccacggac 60
gtaagccagt acaaggacca tggttaattgg atcgagattc tacgtgtgga taacctggtc 120
atcaccggca agggaaacct tgacgggcag ggcccagccg tgtggagcaa gaactcctgc 180
accaagaagt acgactgcaa gatccttccc aactcgctgg tgatggactt cgtgaacaac 240
ggggaggtgt ccgggggtcac gctgctcaac tccaagttct tccacatgaa catgtaccgg 300
tgcaaggaca tgctgatcaa ggacgtgacc gtgacggcgc ccgngacag ccncaacacg 360
gatggcatcc acatgggcga ctcatccggg atcacgatca ccaacaccgt cattggcgtc 420
ngtga 425

<210> 23430
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G3

<400> 23430

gcgcagctac acttcatgct aaccacgac aagcgccagg aatgaagacg ctgtttttatc 60
ggtaatatcg atctggccag ggacgagaat gaacacatgg ccaagctcga tgaacaggcc 120
taaaggtatt aagaactggg tgaaactatg gtgaaggtgg ctaaaactgt atacgttggt 180
agacctatct gatgaacagc gcaagctggt gacagacgta taccagaatg cgatcggagc 240
tctcacaact tgatacgcca ttgcgtctta cattgtacaa aatgaagagc tgcttgccaa 300
cgaatagcct gtgaacctta tgaacgagtt ctgaacgatg atcgatgctg aact 354

<210> 23431

<211> 129
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A10

 <400> 23431

 tcccactcgt ctcggttcta gatcgcgagc gtattacatt ttgcagacgt ctactacacc 60
 atggggatat gttgctcgat taggatgcct gcactactac catacatgtc tctaacccttt 120
 caaacacca 129

<210> 23432
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A11

 <400> 23432

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 gtgcctcctg gtcctctttet gcacgcgtgca tgggtgagaag gaagagtcaa agggcatcga 120
 tgcgaaagcg tccggtcctg gtgggtcctt cgacatcacc aagttgggcy cctccggcaa 180
 tggcaagaca gacagcacga aggctgtgca ggaggcatgg tcatcggcgt gcggcggcac 240
 tgggaagcag acaatcctca taccgaaggg tgacttcctt gtcggacaac tcaacttcac 300
 aggccttgc aaggcgacg tgaccatcca ggtggatggc aatctgctgy cgaacacgga 360
 cctaattccag tacaaggacc atggtaattg gatcg 395

<210> 23433
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-A12

 <400> 23433

 aaaagctcaa gaacacgctc aaggcctttg gagtattggc ttggtgaaag attactatat 60
 gggcctatac atgacaattt gcattggagct attggcatca aagcatactc tcctggccaa 120
 gatggcaaga gatcattgaa agtgaaatct ttcgtgcctg aacagtattc agatcttggt 180

gctaaatctg caaggtactg aagccaagat tttccaaaga ggatcacgcc ttgtgacctg 240
 ttgctttgtc acctcactat gggatgttga catgtattgg tagaactgca gtactgcaca 300
 acgaaatgca tgtaaactta ggcaggtatc aaatggatga gtatctatct 350

<210> 23434
 <211> 269
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-A2

<400> 23434

cgtatatagt tcagttgtag cegttgagac ttgggaggca ggcgacatgg gtggcgggaa 60
 ggacgactgc cacgatccct cgaaggcgga caagggatc cacggaggag ggtactcggc 120
 cgacgacggt ggatactact gcggccagta ccccgggcgc ggctaccctg ctccaccggg 180
 cggcggtgcg taccctgacg gctctgggta cccggtacca cctgggtgggt acccgcttc 240
 ggggtggctac cctcactctg gctgatacc 269

<210> 23435
 <211> 460
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E4

<400> 23435

cccacgcgtc cgccccacgcg tccgtggaca atgtctacta ccccatcatc atcgaccaga 60
 aggactgccc caacaacatc tgcgtcaagt ccggcgcttc caagggtggc gtcaacgacg 120
 tcgtcttcaa gaacatacac ggcacctcca acacgccgga ggccatcacg ctcaactgcg 180
 ccaacaacct gccatgccag ggcgtgcagc tcgtcaacgt cgacatcaag tacaatggat 240
 ccggcaacaa gaccatggtc gtctgcaaga acgccatcgg caagtccatc tgcttggcaa 300
 aggagctcgc ctgcatctga accaattgac taacatgcat atattatata tataatcact 360
 ctttcgaacc tctgtctttc tcacgtactc taaagtctcc accgaatata taatccgctg 420
 gtatgtataa tctttcttct ttggatcatc aaaaaacaa 460

<210> 23436

<211> 433
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E6

 <400> 23436

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 gtctgtgaac gccatctccg ccctctgcga ggccaccggc gcgaatgtga ctgaggtggc 120
 ttacgccgtg ggcaaggaca cgaggattgg cccaagtgc ctgaacgccg gtgttgggtt 180
 cgggtgggtct tgettccaga aggacatcct gaacctgggtg tacatctgcg agtgcaatgg 240
 cctgcccagag gtggccaact actggaagca ggtgatcaag atcaacgact accagaagag 300
 ccggttcgtg aaccgcgtcg tgtcgtccat gttcaacacc gttgccggca agaagatcgc 360
 cgtcctcggc ttgccttca agaaggacac cggcgacacc agngagaccc cggccatcga 420
 tgtctgcaaa ggc 433

<210> 23437
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E7

 <400> 23437

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 ggaaaaagag gcaacagagc taagagcggc aaattcaagg ctgcagcagg agaatgcaca 120
 tcttattagg cgactggagg ttacacgcct acccctgta cctaagccca aaactagtaa 180
 aagcattgga ggaggctgat cggttgaaac aagaaactga taggttggct aaagagggtg 240
 aacaacttca gagtggcagg tttgcagatg tcgaagaatt ggtatatctg aaatggataa 300
 atgcctgcct acggtatgag ctgagaaaca aggatgcccc atcaggggaag actgttgcac 360
 gagatcttag caagaccctg agccccagt ctgaatngag gccaaacagc tgataatgga 420
 atatgccaat gtgggt 436

<210> 23438

<211> 281
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-E8

 <400> 23438

 cggacgcgtg ggctcgatga ttagctgagg accaagttaa tgtctgttag aaactgccgg 60
 agatcgacat tgccagatgt ggtgtggtat aagataggca atatgtgtga ttattttttg 120
 ttcgagggtta tcacccccct tgccccagaa aagatgagaa gatgtcgatg taacaagccc 180
 tctgcgcttc tgtaagtaga tgagtgttgc tgcattcccc ctgggtacat gtatcggttt 240
 gagcagaaaa aataaaaaaa aaaaaaatat ataaataaaa a 281

<210> 23439
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E9

 <400> 23439

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 gcgaggacgc gtggaagggc gaggaagatg tccccgtcgc cgcgcacgac agggagtacg 120
 gtcggatggc gcacatcgcc ttcggattca cacaccacgc cgccgccgcc gcatgaatca 180
 tcatgtcata tgcatgcacg gcttctcttc cttgtcgcat taattttcat gcgtccaatg 240
 attcatatct ctatatgcat atctctctgc tctgecttgt tggctggctc ttctcatcat 300
 tccctagcag atcgcatagt attagttgca tgcattatat ngatgatgca ggtatttcgt 360
 cgagcaacaa ggcgtactat caatggtttt tgaaataccc aaaattagtg aataaaggga 420
 aactggttat 430

<210> 23440
 <211> 222
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F10

 <400> 23440

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cgctatctac cgagcgttcg tgcattggacc agagcgtggg acggagcaat ggatgttgag 120
atggaggcag tcgaaggaga gatggctacg gacttggtat ggtcttacac tgacgagccg 180
tacgcgttgc gccagcggaa gatcatggct atgtacagtt aa 222

<210> 23441
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F11

<400> 23441

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agaaatttaa aggtgtcaaa ttggcatctg agcaacaact ctaattaaca gaggtgaagc 120
caggtcacaa gtgagggaaa acaggagaag tgtttcactt gtcagcactg ccaaaggaat 180
cagagctttc gttctgagct gaagcatcga ccgaaaattt ctgggcttcc aaaatcttca 240
tttcccgctc agcatgctct cgctcacact gggtaatgcc catgataatg tccagcatgg 300
ttccagtagt gccgaagaag acgagtgggg ctaaggattt cttctttatg cccacaggat 360
tagcatcaag agcaccgcga actgagaaga accaagttcc tagagcattg gctactgtgc 420
aatcctccag ttgcttttgc ccgcccgcga cccggt 456

<210> 23442
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-020-Q1-K1-F12

<400> 23442

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gccactccga tcgcccgaac gatcgccgag cttccctgtt ccctccccgc ccccgcgacg 120
ccgcgacgcc atggagccgc cgcacgccga gcaggtcgtc gcctctgtag aagcaggagg 180
agaggggtggc actgcaagcc cgggcaccgg cctcgaaggg ccggtgctta gcgcgggggc 240

tggacggcgg tgggtaaggg gaggacggng agctgggggc ggngcaggag gcggacgcac 300
gactaccgga gcggcctggc gaggcgact gtggctacta cctccgcacg gctaccggac 360
cggcctggcg aggcggctgc ggctatcgct ggtggcgctg tgggggtacgg tgacagcgag 420
gtgttcagcc aaaatgtctt cggagataca atct 454

<210> 23443
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F2

<400> 23443

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gggggctggt ggaagggaag gagccgggag tctacgactg gagcgcctac aggcagggtgt 120
tcaagctggt gcaggaggcc gggctgaagc tgcaagccat catgtcgtgc caccagtgcg 180
gcggcaacgt cggcgacgtc ggcaacatcc cgatcccga gtgggtgcgg gacgtcggca 240
aaagcaaccc cgacatcttc tacaccaacc ggagtgggct gacgaacatc gagtatctca 300
cgcttggagt g 311

<210> 23444
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F3

<400> 23444

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agaccggcgc tcaactgacg catggagcag gaactcctgc gctagaagta tgtgtgccga 120
gctgttgatc tgctgtggtg aactgagga caccgaggag gtgctcgtga tcatgcggct 180
caactccatg ctcatcaaca tgatcatgta caactgcaac gacatgatga tcaacgacgt 240
caatgtgacg gtgtccggct acagcttcaa cacggacggt atacacatgg gcaactcgat 300
cgacgtctac atcaccaaca ccgacatcgg cgtcggcgac cactgcatct aca 353

<210> 23445

<211> 403
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F4

 <400> 23445

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 cgccaggcgt agcaagaaca tcaccaccgc ccagcaataa tggcgagag catgaggatt 120
 gtggcgctgg ccctggtggc cctgctggtg gtggcgggcg cggcgcccgt ggccaccgtg 180
 tacggctgct acgacgactg ctacgagcgc tgcgccaacg gcaagaaaga ccccgctgc 240
 accaagatgt gcaaccaggc gtgcggtctc acggatcagg gcgccggtgc cgtcggcgcc 300
 gcgcgggctt gatcgctccag cgcattcctc gcttcagctc gatataatcg ctgctacggc 360
 agcaactcac atatgattcg atcaattttc cctctctaatt ttc 403

<210> 23446
 <211> 376
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F6

 <400> 23446

 cgccaaacgc cgctgcgctc tctctccttc tcgtcctgac cccccagagc gagagggagg 60
 ggcaaccata ggagcctgtc gttttgatcg gtgtctctct gccccgctc ccgcgaggag 120
 agaacaacct ggagaaaatg gcgcgatct ccggagccac ggccgctcct gtgatggccg 180
 tcgtcgccac gctcgccgcc gcggctaacg ccctggcccc cgccccagca cctgctacca 240
 gtgacggaac aagtgtagac cagggaatcg tctacgtcct catgctggtg gcgcttgtcc 300
 tcacctacct catccacca ttggacgcct tcttcgccta ctagcttctt ttaaaaccat 360
 tcgctttgta aatttg 376

<210> 23447
 <211> 175
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-F8

<400> 23447
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 gagggactca tgcaccggcg agaccaagga tgacgtcaac gtcgagtata gcggcactaa 120
 taacaagaac atggctatat gcacgaacgc caagggcagc actaatcgac gactt 175

<210> 23448
 <211> 286
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-F9

<400> 23448
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 agctatctaa cgagagaacc tacatggacc agagcataga acggagcaat ggatattgaa 120
 atataagcaa tcgaatgaga tatgcctacg gacaagttac cgaataaccc tgtccaatcc 180
 tacaacatgc aacagaggaa caagacagct atgaccagtt caagaagcga cttatggcga 240
 ccatatgcac tcgtccggct cacaatagat gtgtatgcat aaattg 286

<210> 23449
 <211> 329
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-G1

<400> 23449
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 tcaaactctgg gacgtacat gttctgggtg caactgatgt tgccgcacga ggtcttgaca 120
 tcaaactcgat taaaacagtt gtcaactttg atatcgcaaa agagatggat atgcatattc 180
 accgaattgg aagaactggt cgtgctggtg acaaagatgg cacttgctta cactctgatt 240
 actcagaagg aggcacgctt tgccggtgaa ctggttcaaa agttgattgc tgctggccag 300
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<210> 23450
 <211> 461
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-G10

<400> 23450
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 ccttcgacat caccaagttg ggcgcctccg gcaatggcaa gacagacagc acgaaggctg 180
 tgcaggaggc atgggcatcg gcgtgctggc gcaactggaa gcagacaatc ctcatacca 240
 aggggtgactt ccttgctgga caactcaact tcacaggccc ttgcaagggc gacgtgacca 300
 tccaggtgga tggcaatctg ctggcgacca cggacctaag ccagtacaag gaccatggta 360
 attggatcga gattctacgt gtggataacc tggatcatc cggcaaggga aaccttgacg 420
 ggcaggggccc agccgtgtgg agcaagaact nctgcacaa g 461

<210> 23451
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-G11

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 gggtgccgcc gccagccacg ccgggtccga tgctctgacg gcaaccctga gccccggcag 120
 gaagggcagc ggtggattca aggtactga tccgagccat ggcaggaaaag gcggcggcgg 180
 ctggaaggct ggactgaaca agttcctcct cagcttcagc atcaagggtg gatccatgcg 240
 tggacgagag aagggggggcg tttcttggtg tcgaggcacc gcgcaacaat aaaaatgcat 300
 tgcattnggtt tgtctgtttt ttcaattaat caggattgtt tggtgccgcc agtgaaatgg 360
 cgaagtgtaa ttcgtcatgc gaatccgagt cgagtcgagg caaagtgtga ttcattcgat 420
 gtttgagt 428

<210> 23452
 <211> 107
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-G12
 <400> 23452
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 ataggttacc ttcgtcggat tcgcaaatac ctattcctta acgcata 107

 <210> 23453
 <211> 193
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-G2
 <400> 23453
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 gtatcagacg ccacctcaat ggcccagagc acgaggatgg tggcgctagc cctggtggtc 120
 ctctgggtgg ctgagacagc tttcgtgttt aatgtcacgc agtacagctg tttccataac 180
 tgctacaagc ggt 193

 <210> 23454
 <211> 106
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-C9
 <400> 23454
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 tgtgtttgct cccgagctgt ctacctgcac tgcacgtttg agtccg 106

 <210> 23455
 <211> 272
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-D1
 <400> 23455
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ctgccgtagc ggtcgccgtg gtggccgcgg tgctgctgct ggcagcggcg gcgacgacct 120
 cggaggccgg catcacctgc gggcaggtga gtcgcgncat cgcgccctgc ctctcctacg 180
 cccgcggcac ggggtccggc ccctccgcgt cctgctgtag cggcgtcagg aacctcaaga 240
 gcgccgncag caccgncgnc gacaggcgcg cc 272

<210> 23456
 <211> 320
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-D10
 <400> 23456

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 ggtatatatg taaaggggtct acacttacia tctattgcat atttgattat tatacataac 120
 ttttatcatt tgatgattcc atcttaatct ctatatacat ctgaaatgta tgcataaccc 180
 aataacgaac gatttgaaag tgtactcgat cattctacca ttagacaata agatcttctt 240
 tctaaaaata ttctattttg aactcttata tgttcaaaat ttatattgaa attcttttat 300
 aaatttttcc ttactttttc 320

<210> 23457
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-D11
 <400> 23457

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 cggcgggtgtg ctgctactac gcgctcctcg gcgtccgcaa gagcgctcc gccaccgaca 180
 tacgcaccgc gtaccggagg ctcgcgatga agtggcacc gccaccggtg gccagcgacc 240
 ccggcgcggc cggcgaggcc aagcggcggt tccagcggat ccaggaggca tactcagttt 300
 tatcggacaa aggggaagaag gccatgtacg acgccgggt cttcgatccc ctgcacgacg 360
 acgacgacca ggattttctcc gacttcatgc aggagatgct ggtgatgatg gataacgtga 420

aaaacgagaa gccggacacg ctagaggacc tgcagaagat gctg

464

<210> 23458

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D12

<400> 23458

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gcttgacagg ttgtgcagtt gtattggtgc attcaacttg caggagctac aagtccatac 120

cagaagctga aagaaggggg caggatcagg tccctcacag ccacacagga gaagacgagg 180

atcggccatg cctcttgctg ctccaggtgg gcgatctcga gaagttcaag agcgtgtcac 240

tggctatgga aaagggccac tctgcctcca gagtcctggg gactggggag ggacgccgtc 300

cgtggagaga gttgtgggtg atgagggaaa ccgatggaga atgtgcttgt cttatgtgtg 360

ctggaagttg aaagtgtttt tgaaaaaaaa aaaataaaaa ttaaaaaaaaa aaatatataa 420

<210> 23459

<211> 355

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-D2

<400> 23459

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cgatcatgacc gccgagttcc ggaccttcat cgagatcgtc ttcgagaacc ccgagaagag 120

catagactcc cttcacctcg acggctacgc cttcttcggc gtcgggatgg ggcctgggac 180

gtggtcgccg gagatgagga agacgtacaa cctactggac acggtgagcc ggcacacgat 240

ccacgtgtac ccgcggtcat ggacggcgat catgctgaca ttcgacaacg cgggcatgtg 300

gagcgnctcg tccaacgtct gggagcggta ctacctcggg gagctagtct acatc 355

<210> 23460

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D3

<400> 23460

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cggccggagc gatcagctcg gtggcctcat tgctactgct tgcaacaacc gcgacaacct 120

cataggctgc catcacctgc acgcatgcga actccgccat ctgcgccatgc ctcttctacc 180

cccgtggcac gagatccgga ccttgccacat cctgctgtac ccgcgtcacc aacctaaata 240

gcacctgcag caccgacgac gaca 264

<210> 23461

<211> 220

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D4

<400> 23461

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ggaagtgtcg gaatctatcc tatacgaagt tttctacaga atccaagacc caaaccttgt 120

gtacccttac taccatctca acccgatatca tgcctacgac taacgtaatc tatcatggct 180

ggctccaaca tacgccgagc ctgctacaat gtttatcgca 220

<210> 23462

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D5

<400> 23462

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atgtgctcgt tgcacagggtg ctcagatagc tccttctatg catctgctac catcacataa 120

gatggcttac tgagctttat ttcattgtaga tacatcctat gaacattcct ttacttcggc 180

taacgtatca tattacaatc ccttatgatt acgattttct ttgaattatg cacctaacca 240

<210> 23463

<211> 364
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D6

 <400> 23463

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 ggcaaaagta agctgctgct gttcttcgac ccgtcccgtt cgatcgattc gttctttccg 120
 ccatggaggc tccgaggaag cccgcggtgt gctgtgccct tcttgtgctg ctcacgtcgc 180
 cctccagcgc aacggtgtcg actgctcatg acgagagctg ctggaaggac gacgaccacc 240
 accctatctg ctttcccgaa gactgcgtgg cgacctgcca ggatcacggc cacgcggacg 300
 gccgctgcaa ctgggcatgg tccgtggaggc cgtattgaca gtgcctgttg gcggactgcc 360
 aata 364

<210> 23464
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D7

 <400> 23464

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 acagttacat tcattttacca ctttcaacct ccacaggcaa ttcttgctgt gcaagcggta 120
 ctttcaaatt tcagttacac ccacgtaagc ccacatatgc aaaaaaaaaa ttaaaaaaaaa 180
 taccagaatt ttacaggagg catacggttg taggctcagc agacctcaac gatcaaattg 240
 tttgtccagc agagttctaa aggctctgaa agcagtctgc tggaaacatt ttgcctctgt 300
 tgcaactaaa aagctctgta aactatgttg ttgaatatat aaacaaataa cgactgcact 360
 gtcgtgactg tcatgaacct ttcacattga tctcaaca 398

<210> 23465
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-D8

<400> 23465

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cgacgacaac atccccggcg ggcactttct caagtcgtgg gtgccggcga aggtcgcggg 180

cgaccaaccc ccgcgcgcca tcctcgtcga gtcgggacac tgcgacacgg gcacgccgga 240

ggtcaacgtc atccaccgca gcaacgacac catttacgac ttctatggct tacccaagcc 300

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<210> 23466

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-D9

<400> 23466

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ggtatatatg tacagcgggtt acctttataa taaccattaa atattgcgaa tgaacctaaa 120

tctctacatc taatttacgc aacattccca ttgatataa acatatctgg accattgatt 180

atgatgttta ctagctgaaa ctcaattcaa ttgagctat gcagtttgac actccttttc 240

atgtatacct atttacatat ttattagcct attcttctat tatatttaaa cttaccttca 300

cttgcattgt acgttttaatt tctttt 326

<210> 23467

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E1

<400> 23467

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cggcgtcttg cggcggcggc gtggacgacg acggcgctcg tggtgacagg ctgatgatgg 180

accggttctt cagctggcag ggcacgtaca accggtcgta cccgacggcg gaagagaggc 240

agcggcggtt ccaggtgtac cgccgcaaca ttgagcacat cgaggccacc aaccgggcgg 300
gcaacctgac gtacacgctc ggcgag 326

<210> 23468
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E10

<400> 23468

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gctctgcgag gccctgtgcg cgggtcaagga ccatacgagc atcgggctgc ccaacgtcga 120
cagcggccgc tccctgcacg cggacctgga cttggccatc gtcaaggcca ccagccacag 180
agtgatcatt gcatatgcac tgacctccat attctggctt agtcgcatct cttactctgc 240
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ctcatcattc cctagcagat cgcatagtat tagttgcatg cattatatag atgattcagg 360
tccttcgttt agcaacatgg cgttctatct aattgtttt 399

<210> 23469
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E11

<400> 23469

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agaggttgcg atggttgtgg cgttggtgtt cttggtgagc ggcgcatggt gcggtcctcc 120
caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc tggacgctaa 180
agcgacatgg tatggcaagc cgacgggtgc cggccccgac gataacggtg gcggctgcgg 240
gtacatggac gtgaacaagc cccccctcaa tagcatggtc gcatgcggca acatccctat 300
cttcaaggat ggtctggggt gtgggtcctg cttcgagatc aagtgcgata agcctgtgta 360
gtgctccggc aagcccg 378

<210> 23470

<211> 350
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-E2

 <400> 23470

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 tgcggtgctc ttctacatcc tcgccgttgc tgccctcagc gcggccgagg ccccggcaga 120
 gtcaccgaag gaaggcagtg ctgccaaggc acctgagtct gccaagagaa ctgctgcccc 180
 cgctgaagca cccgaagccg catccacccc cgtcgccgcc gctgccccat cgccgtcgtc 240
 taggaagtct ggtccagcta ccgcgccagc caccgncctc acaccccctt cttccacgga 300
 cgaggagttg agcccttccn cccagcattc caccgcgcgg cgtcccctgc 350

<210> 23471
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-E3

 <400> 23471

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 ggagatggtg ctgacgatgc tgagaagccc ataaggcggc gccagaaagc cgactctgag 180
 ctgacgacag gtagggagga caatggcggt tgccctcttc caagggctgg gcaagggctg 240
 gccctgaggg caaaatctgg gagtcgacca gacgggaacg gcagccagct agatctctcg 300
 gccacgtggg tgccctcgta cggggatggg ctgcacaccg tgaagaaatc atcgagcacc 360

<210> 23472
 <211> 466
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-C7

 <400> 23472

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cggggtccag cggcgcgggt gccggaggag gtggcctcgc cgactgggcg cgccaccgca 300
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caaattgcaa tgaagttgaa gcagaagagt gtgatgcgta tgaagaanat caagaggaac 420
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<210> 23473
<211> 461
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B11
<400> 23473

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agcggttgac tttctgatca ttccacagaa aagcaaaaag accattgagc agattaagaa 180
aaatatttgc ccggcattaa gtgtgagaca gatatatcgc ttatgtacga tgtactggga 240
cgacaaatat ggtactcata gtgtatcagc tgaggttgtt gccagaatga gggacatggt 300
gagtaatgac atgcaaaatc ctgtctctaa ttcatttctt ttagatgatg acttaagcat 360
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<210> 23474
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B12
<400> 23474

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gcggcgtggg tctacgcgca tcacggaata tatgtgggcg atgataaggt gatccatttc 120
acaagaggaa gaggacagga ggtcggaaca ggaactgtcg tcgatattat tcttgtgagt 180
tccaccccaa aacgaagcaa cacgccttgc ccggtgtgca ccgacgaaac cagcgacagc 240
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acgtgcacgc tcgctccctc tgaccctgac gacacggtgg ctgcgcgcgc cagataacctg 420
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<210> 23475

<211> 181

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B2

<400> 23475

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tctgccttag atggacacta cgacgagaag aggacatgca atgtggaaca cacataggac 180
g 181

<210> 23476

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B3

<400> 23476

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ctgggcaggg tgccattgat gctgtgagag atatgagcat ctgacaacct gtgtgctatc 120
gctgtgtcat attgatactc agactccact tagact 156

<210> 23477

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B4

<400> 23477

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cttgggtgttg attttctcca ttgcatgaaa tgcaactgct gccttggaat gaaattaact 180
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tttacatcaa gtgccgcagt cagagccctc ccttgtggcc acttcatgca ttcagcttgc 300
tttcaagcat acatttgtag tcactacact tgccctatct gctgcaaate cttgggagat 360
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<210> 23478

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-020-Q1-K1-B5

<400> 23478

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<210> 23479

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B6

<400> 23479

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agaaggcttc aaatgtgtca ctcgagagg ttgttcggtc gaggtgaag cagttgtcgt 120
ctatgaacaa gcttaataag aaggcacttg gagtcgtcgc catgaattta ccgatggaag 180
agattggcac attcaaagag atgttccata caatggacaa aaacaaggac ggtagtttgt 240
cacttgaaga gctgaaggag ggttttcgga tgaacgatca tcctgcttca gaggaagaga 300
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<210> 23480
<211> 132
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B7
<400> 23480

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caataatgct aggggcttca aatgtgtcac tcgatagcaa gtacgtcaat gcttaaacag 120
ttgacatcta aa 132

<210> 23481
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-020-Q1-K1-B8
<400> 23481

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acctgtgtaa catggatccg tatgcaattc tcaagtgccg ttcacaggag cagaatagca 180
gtattgcaac tggaaaagga actacccttg agtggaaatga aaactttatc ttcactgtgt 240
ctgaccggac aacagacttg gtaatcaaga ttatggacag tgatacaggc acagcatatg 300
actctgttgg tgaagcaacg attccattgg aagcaatgta tactgaaagg agcattctcc 360
caacactcta taacgttgtg aaaggcgtga aatactgcgg agaaattaaa gttggattca 420
cat 423

<210> 23482
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B9

<400> 23482

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 ggaggcgtgt catgcccata catctgtggc aggcaccttg accatggtgt tctccttgat 180
 ggatatggtg cttctggttt cgccccatt cgcctgaagg acaagcctta ctggatcatc 240
 aagaactcgt ggggcgagaa ctgtggggag aacggatact acaagatatg caggggttcc 300
 aacgttcgca acaagtgcgg cgtcgattcc atgggtctata ccgtgtccgc agtccacgcc 360
 tcgaaagagt agactctggt cagcgggtgat aatcgtgatt ccatatattg tagaactata 420
 at 422

<210> 23483
 <211> 60
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C1

<400> 23483

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<210> 23484
 <211> 331
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C10

<400> 23484

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 tgtcgcgccg tcaatggaag ccacaacgtc aaaccgcac tcctcaacct cacttactcc 180

cacgcccgcg ccgtcaatgg aaggaaagcc aaatctcctt gcccgagtc ctcggaaggt 240
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<210> 23485
 <211> 459
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-020-Q1-K1-C11
 <400> 23485

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 acaggacggg ctggtgaagc tgcaggggtc caagcaagg aggaaggggc agctcgcgat 180
 cgacgccgag atcttcgagg tgacaccggc ctttcacgtc gtcgaggtga agaagtcggc 240
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 catctgctgg agcagccgat ctgaggagaa catggctcct tcagtgggtc agccatcaca 360
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<210> 23486
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-020-Q1-K1-C12
 <400> 23486

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 gaagatgaat ggttcaaaaa agactataaa ccaccacgtt ttgaacaagg tgaaggtgtt 180
 agccttgacg acattgatgc tgcattcaat gattcagagg accgtcttgt ggcagagaaa 240
 agagagaaaac cagaatccat gaacgcattt gctcttattt cgaggtcgca gggtttcaac 300

cttggaaatt tgtttgagaa ggagatgatg ggaatggtaa agagggaaac atctttcacg 360
tctcaatgca cagcacagga gatcatgaca aanatagagg atgcatgtgg gccacttcgt 420
ttcaacgtg 429

<210> 23487
<211> 284
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C2

<400> 23487

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aggaacctga aggtgtgcga cttccatctg agcgcgctca gggagtgccga gaagcaggac 180
ggaatgctgc acaccagctg cgggagcccc gcgtacgttg cgcctgagat catcaacagg 240
aagggctacg acagtgccaa ggccgacata tggctcctgcg gcgt 284

<210> 23488
<211> 270
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C3

<400> 23488

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aggcgggcat aataccacca tgacttaaata acctacaacc tcttcagcca cgaacacaga 120
cacctcaagg tctccgactt ccatctaagc gcgctcattg actgtcagaa acatgacaga 180
ctgctgcaca ccacctgcag gacctctcac tacattgcac ctgagatcat taacaataag 240
gtctactaaa gagccaaggc cgacatatgc 270

<210> 23489
<211> 242
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C5

<400> 23489

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gcgtggtgag cctaacatat cgtacattag ctgcggtat tatagggtc ctgaactaat 120
atttgagct acggagtata ccaactgcaat cgatatctgg tctgttggct gtgtagtggc 180
tgagcttctg attggtcagt ctcagtttcc tggtgaaagt ggtgttgatc atctggtcga 240
ga 242

<210> 23490

<211> 334

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C6

<400> 23490

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gggccaaaacg gaggaagggc catcatttag attgagcgta tggccagggg tattecgtga 120
aacctcagga atacgctcat ggtccctatg gacgaggagc cccaccgggc tactgggat 180
ttctcgccgg tggttggcaga caacgccgac ccgccgtgcg ccgtggccaa gcttcactgc 240
tgcctccatc ttgggttgtc agcattgcaa ctactgttca ggcgataatg aacctttgta 300
aggagacttt taggagttcc aggattacga caag 334

<210> 23491

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-B10

<400> 23491

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tgtatcaatc atggggcatt atcaatctgc ctcaatactg actacatgca tacatacatt 120
gaaagcgtgt catgcacata catatgagat acgcaccttg accattgtgc tctcattgct 180
ggatacggag actctgattt cgccaccatt catctgaatg acaagcctta ctgtatcatc 240
aagaactcat gaggccagaa ctgatgagag aacggatact acaacatatg caggagttcc 300

aacattctca acaagtgctg catctattac atggtc

336

<210> 23492

<211> 242

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H11

<400> 23492

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ggataaaaag ataaaaggta ggaggaggcg cagtgcgtgg tgggattatt tgtgaggaga 120

tattggaggt atcatatata tatatatata gggagacgat cgattgacag ctagatctat 180

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tt 242

<210> 23493

<211> 341

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-H12

<400> 23493

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acctccggtt tcttgattgg gtggtgatcg gtgaaggaag gagaaattaa gatgagcctc 180

ttcgggcttg ggagcaagaa tcagaagacg ttcaggccta agaagaatgc accgtctggc 240

aacaaggggtg tgcagctgaa gaaacacatc gatgcaacct taggaagcgg ngaattgagg 300

gatgctgtcc gattgccacc aggggggagga tctcaatgaa t 341

<210> 23494

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H2

<400> 23494

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 tctgcattac cattaattat tacatggcaa acagcccata catgctagct atttttgaaa 180
 ctgtttttta atcattacat cagcaccgat atcccgggaa tatectccaa gccatgcata 240
 cctgtgaatc caacatcgac ttcgtttttt aaatccatcc atttcaagcc aacccccccg 300
 acttggccca tttcattaca ctcttacg 328

<210> 23495
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-H3
 <400> 23495

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 ggctgaggcc cagggcgagt accaggcgga gcacgcggcg cagtgcgtca aggacaccgc 180
 cgcagccgcg gccgacagtg cgcagctgca gcatgcaccg cccaccggca ccgttgagca 240
 ggtggcgagc acggggccagg gcggtggcggc aggcgtcaag gacacgggtg cgggcgcggc 300
 ggttggcgtc acgaacacgg tggcgggcgt ggcgggcgggc gtcacgaaca cggtcacggg 360
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 g 421

<210> 23496
 <211> 295
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-H6
 <400> 23496

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acggcgctcg cgcacagcag cagcccagcc acaacgcctt cgagtcgtcg caggacaggt 180
 nccttgtgtc ctacagcagt ggctgggtgc ccgccaaggc cacctggtac ggcgcgccca 240
 ccggcgccccg gcccgaacgac aacgggtggtg cgtgcggggtt cagggcccaa ccagt 295

<210> 23497
 <211> 311
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-H7

<400> 23497

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 taacttcatt gcttacaat gatgacttga caatccttac agagaattgc aatttggctg 180
 aactttcact ttctgggtgc aaacttcttg actccagctc tcaagacatt atctcatctg 240
 ggtggccaaa cttggcactt ttacaccttg angaatgtgg taaagtaact ggtgaagggg 300
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<210> 23498
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H8

<400> 23498

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 agctctcgca tgaaagatgg cgctgttccg gtgaagcagc tgccgaaagt gatggagagc 180
 gtcaagcagt tcatgttcta ctgctgaagg tggcctttgc aggaaggacc gtcacgcaca 240
 cttttgttgc catgaaatga atcgagtaat tctgggttgg tgtaactatg gtgaagtaac 300
 cctgaagggc gggccgcacg acctccaaat catattttgg gcctggcgag tcttctatcc 360
 aaaactcgtc agaaaatgcc ttttatattt 389

<210> 23499
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-H9

 <400> 23499

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 aagcttgcta aggtgaaact gctaaagaag ttgtatgact actatgccgc gggcacatga 120
 catcaattga ctcaaggaga aaagagaggg gtcattccaaa attctgagtt tgttcgctct 180
 attagagccc agaggcggta ctgggagagg agctatgctg gatggataag gtttaggaga 240
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<210> 23500
 <211> 363
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A1

 <400> 23500

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 aaa 363

<210> 23501
 <211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A10

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attaccgagg ctgagaggcg aggacagaat gccacgtacg caccatgcac ccagacgacc 180
agacacttac acgaggagga tcacacactg aagaagagac taagccgcct tactgaacga 240

<210> 23502
<211> 260
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A11

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ttaccaggag attgctacgt cgagttatat gttgtgtcga attcacgtgt aggctctgaa 180
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<210> 23503
<211> 453
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-020-Q1-K1-A2

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ggagtcattt gggccagaca ggaaggagat gagagcttct cttccgtagg ttggcagcat 360

gatgaggcag tcctcattac atggtatgat agccaggaaa aataattntt gatgaaggcc 420
tcangcatta ttggaaatat nntatcgga atg 453

<210> 23504
<211> 393
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A4

<400> 23504

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caaaagtga acggctgaaa gcggagcggg agcagagagc ctccggcgag gctgtgagcg 180
accacgatcg cctctcaagc gaggagcccg ggtgctcatg caggagtcg aactccacag 240
atctgaagcc gcccaaacat ccagccagc taggcgacgg gtctaaggag gagaaggttg 300
cgaaacagga agcgtccgtt gagtcggcgg gcgattccaa agacagcagc gaagtgcgga 360
gctcggcgag cttgtgcccc cggcggcgtg gaa 393

<210> 23505
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A5

<400> 23505

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gcagcaggcg gtggcgcagc agcccgtggc cgcgccatc gagatgggcg gcagcctgca 360
gttctacagc ggccgcgtct tctcggggca gtgcgggac 399

<210> 23506

<211> 177
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A7

 <400> 23506

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 taacgtatgt actatcctac tatatataact aaatctatac taatgcatca tacatat 177

<210> 23507
 <211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-A9

 <400> 23507

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 aatagggagc ctgagaggcg actacagcat gccacgtacg caccatgcac gcagacgacc 180
 agacactgac acgaggagga tcacacactg aagaacagta tcagccgcct gactgaacga 240

<210> 23508
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-020-Q1-K1-B1

 <400> 23508

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 ttggcttatt tgtgttcaga atccacttaa actcggtcga agtgagcttt ccgttcggca 180
 acgtctgtac tcttacgaat ctcgatcgtg tatgtcttta agtatttgtt tgtgtttcaa 240
 agataaaaaa aggtgacctt tgtgtatgat tttttataca cgttgtctct tagctgcatt 300
 gatagtctaa ggtctcagat ttgtaccatg c 331

<210> 23509
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-F5

 <400> 23509

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 atacgtactc ggggtggagca gagcaacgag agacatggcg acgacgacgc gtgttgccgc 180
 cgccgccacc ggcgtgctgc tggctcctgtc ggcgttggcg accctggcgc gggccgagga 240
 cccgtacctg ttcttcgagt ggaaggtgac gtacgggacc aagtccttgc tgggcgtgcc 300
 ccagaaggtc atcctcatca acggcgagtt ctccgggtcca agatcaactg ctccttcacg 360
 aacacatcgt cgtcaacgtc ttcaccagct cgaccatncc ctccttttac ctggaacggg 420
 atg 423

<210> 23510
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-F6

 <400> 23510

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 ctgtccgtgc gcacgacgac gacgtcgtg ctagcagcag tcatcctgtg cctctgcatc 180
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 gtggccacct gcatgacggg cccgtacccg gagctgtgcy tgggggagct gggacagcgg 300
 ctgctggacg tgcagacgtc gatcgcgtcc gcggcgccc accagcgcgc ggccaggatc 360
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<210> 23511

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<210> 23512

<212> DNA

<400> 23512

<210> 23513

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-G1

<400> 23513

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tgctgtcgct accatgatct tctactgagt tcaccagctg ggaccgtgtc gtcgagggtg 180

ggcacgtagt tggctgtgcg gtaattgctc gtctggctcg gagggaccaa taacgcaagt 240

gttgctttgc tttgctcact tcgtttgctc ttgtaactnt atgggggtcaa ccgttatata 300

actgaaacga tttgattaat tgataactaat gctctctatc tgtcatgtat 350

<210> 23514

<211> 197

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G10

<400> 23514

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tgattggggt ccaaaataac catcaaattc agatgacata cgaggtgctt gcatcacgga 180

gtgcaccata tataata 197

<210> 23515

<211> 163

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G11

<400> 23515

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catcttgggt gctacgccgc tcggcgctag tcggcagggc act 163

gaagacgaga acaaggagaa agagcggcag ctggccaagg agaaggcgta cgcggcggag 120
aaggtcgtcc agcatgagat gctcaagtac gccaaaggaga agggctctggt gtccccgacc 180
aacggcacgg ggtggtacag gggcatcgct cgggagttcg tggacgcca caacgagctc 240
cgcgcgcgct acggcgttgc ctccatgaag tgggacaacc agctggcgcg gcacgcgctg 300
cactggtcca acgccatgcg caaggactgc cagatccttc acagcgggtca ctagtacggc 360
tagagcgtgt tcaggagcta ctacgactgg aacgcct 397

<210> 23519
<211> 245
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G5

<400> 23519

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accctgcaga acacgtacga ctgcgtcgac gtccacgtcg gccactgcct atacgcgctc 180
gtcgacgcct accagagacc cggccactac tacatggtgg cctatacgcg gttcatccac 240
gacgc 245

<210> 23520
<211> 481
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G6

<400> 23520

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ccggtgccgg agggggcgccc gtcggttcg gcgggtccgc tggacatcgc gcagctgggc 180
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tgcgaggcga cgggggtaca gaagatcgtc atcccgcgg gcaactacct gacgggcggg 300
ctggagctga agggcccctg caagtctcc atcatcatcc gtctcgacgg caacctgctc 360

ggcaccggcg acctcagcgc gtaccaaagg aactggatcg agatcgagaa cgtcgagaac 420
 ctgtccatca acggccacgg caccatcgac gggcagggag ccctggtgtg gagcaagaac 480
 c 481

<210> 23521
 <211> 291
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G7

<400> 23521

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 gcgcgttatc acactacttg tgaggggact tataataact gtaccacca actaatcatt 120
 acctttgaca atagaaacac tctcacttta caactttata atgaacatca cacagaattt 180
 atctacagct tacctttcct tottaagact attgaaaaag ctatacacgt tcattaacat 240
 ttatcaggtg tcgcgaaccc tgcacagtta ttataatgcc acttttacacg g 291

<210> 23522
 <211> 412
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-G8

<400> 23522

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 tctgcctcc gctgggggtg ttctctcaagt acgggtgcgg ccacgagttc tggatctgcc 180
 tctctctcac ctctctcggc tacatccccg gcatcatcta cgccatctac gccatcacca 240
 agaacaacta gctagtcate cttgccgacg acgatccatg tctctgtatc tgcgtctgtt 300
 catatgcctg atgccgactt gtgctgtatg tagttgcttg aattcagtcg tgttttgcta 360
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<210> 23523

<211> 330
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-G9

<400> 23523

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atgtcctgta gtctgttcga tatcaactgta cgactcttgt atggaagcaa cagacagtga 120
tcataaacct gtcaaatgcg tgttcaattt agatattgct catgtggaca aacaaacaat 180
gaggcagaag tatggagaaa taatgagttc aaataaggaa gtgcttgact cacttcaggg 240
cttggaggct ttgcctgaag tagatatcag cacgaatgac atcatgctgc aagatcaaaa 300
cccttntggt gtgaaactgc attacagaag 330

<210> 23524
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-H1

<400> 23524

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cattcccttg gagaatggaa acagtcttac tttgcaactt gataaggaag cagacaagga 180
attcatgtcc agcttggctt cccttcttaa gactattgaa agggcgatcc aggttcatga 240
agatttctca ggtgtcgtga accctgcaga gttattagaa tgccacttca cagggttgaa 300
ggctctggag aatgaatatg gttctggtga aactgttaag cagggaacag aaatagttca 360
gagagctgtc accaaatcat tccagtcctt acatg 395

<210> 23525
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F4

<400> 23525

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 gcgacgccgt ttccgcaccg gcagggcggtg ctgttcaaca tccagtacgt cagctactgg 180
 ttccggcgagg gcgacggggc gccgccgacg cagtggagca gggacatgta cgcgttcatg 240
 gagccgtacg tcagcaagaa ccctaggcag gcgtacgcc actacagga cctcgacctt 300
 ggcgtcaacg aggtggtcgg cgacgtctcc acctacgaca gcggcagggg ctggggcgag 360
 aagtactaca atggcaactt cgag 384

<210> 23526
 <211> 232
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D7

<400> 23526

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 gccagcatca gcatagcagt actgctgctc ctgctcgctg ccgtcgctct ctccaacgct 120
 cccttctcgg gcgccctggc ctctcgctg tctctctgct tgcaccagtc gtctccgtct 180
 gagagtgaga ctgagaccga cagtagcagc ggagaatctt cgtcgctgct gt 232

<210> 23527
 <211> 482
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D8

<400> 23527

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 cctgaaaata ctctgtgaa ctatgaagcc attgctcata cttacagttt gcttctactg 180
 ttctctggat ccaaggcatc aacttttgag gctcttacc agagttttca gggtgcattt 240
 tctttgagga gctatgcgt cactgaagca gattcattac aaccgtctcg gcgtcggtca 300
 ttgtttactc tgcgacagc catgattatt ttctcgtaa gagcttaca tgtgttgcca 360

ctcattccaa tctgtaaaca aatgatcaat gatcgcgcg cccatccatt cctttcgttg 420
 gtggatgaga gcaaacttac agctgtcaaa gattgttcaa atgacccctc aaaatatatg 480
 ga 482

<210> 23528
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E1
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 ccccggtgtc tacgacatcc actccccag gatcccgctc gctgaggaga tcgccgaccg 180
 catcgacaag atgctggcgg tgctggacac caacatcctc tgggtgaacc ccgactgcgg 240
 cctcaagacc cgcaagtaca cggaggtcaa gcccgccctg accaacaatg tctccgccgc 300
 taagctcatc cgcacccagc tcgccagcgc caagtgaaca cctttttttg cccttttcgt 360
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<210> 23529
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-E10
 <400> 23529

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 ggtggtggtg ctcatggctg aatgaatggg ggtgtcgggc tatgcgcggt tgacgtcctc 120
 atcgaagcaa accccttcac cgttgggtgc ctctgtccgt ggcctngaa gtcgatgact 180
 gctcatcatg gtaggaggcc ccgaccgacc gtgcaatcgt gtgccgacgc tgtggctgtg 240
 cgccaatgaa atcacgaccg gagaggaaaa gatcaacatt aacaaggaag gatgtaacag 300

tcaaagcgaa tctcgagatg aatcaagact tagatttttc agatgaagtt tttcctatct 360
 ttc 363

<210> 23530
 <211> 359
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E11

<400> 23530

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 tgggtgcatgg tgagaaggca aagtcaaagg acaacgatgc aaaagcgtec gggcccggtg 120
 ggtccttcga catcaccaag ttggggcgct ccggcaatgg caagacggat agcacgaagg 180
 ctgtgcaaga ggcgtgggca tcagcgtgcg gcggcaccgg gaagcagacg atcctcatcc 240
 ccaagggcga cttcctcgtc ggaccactca acttcacagg cccatgcaag ggcgacgtga 300
 ccatccaggt gaatggcaat ctgctggcga cactgacct aagccagtac aaggatcat 359

<210> 23531
 <211> 144
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E12

<400> 23531

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 tgtataaggc atgatttgcc atcattctgt tgcttcgggtg atgcttgcaa tgcaatgaga 120
 atgtgttgga acgagatggt tttg 144

<210> 23532
 <211> 339
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E2

<400> 23532

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gcggccccgcg gaacggatcg aggccaccgg caccctcggc tcgcgtcgcg tcgcggcgcc 120
gagctcgaaa tccccggatc ggtgcagctg cccctgccc cgcgccgata acgcggcggg 180
agggtggtgg cctgtcgatc tcgcggcggg agctgggtta ctacctgcca atttgtggat 240
ttgtgtgcgt gcttgatttt ggtgcgtgtg tgggtggtgt gagtcgccgg cgtgggggtgt 300
cggagctagg gtttgggctg tcaggatgac ggcgccggt 339

<210> 23533
<211> 284
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E3

<400> 23533

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gcctgcatgg cataagcctt gcctgttcag ggtgattcca tgtccctaaa tactcaatca 120
gctcttggtta caaaaaaaaa aaaaaaaaaa aaaaaaata aaaaaataaa aaaaaaaaaa 180
aaaaaaaaa aaaaaaata aatataataa aaaaaaata aaaaaataa aaaacaaaaa 240
aatgaataat aaaaaaaaac aaagttaaaa aaaagggggg cccc 284

<210> 23534
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E5

<400> 23534

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ggccgcgacg acgacgaaga cgaccgcaga ggcccgctc ccccggtcta cggcggctac 120
ggccagccac cgccaccga cccgtacggc cgcgcgccc tcgacccga tccgtacggt 180
cgacctccgc cccagtcgc gtacggtggg gccggggacg cctacggcca cagcggccaa 240
ggctacgcgc ccccgccggc ctacggcgcc gggggcgggt acggcaacgt cgtccacgtc 300
gcgcacgagg tcggcgacga gaggccttac ta 332

<210> 23535

<211> 240
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E6

<400> 23535

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gaaagctata tccaacctct caacatatgc cacatgtgca cctgggtccag tttcatacgt 120
caatgagaaa gatgtggaga ctacgttgac catatttggga tcttttgagt tcagcttaga 180
agcaatgccca gaaaattcaa gaattttttt catggctctt gcagctatct cttgggaaga 240

<210> 23536
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E8

<400> 23536

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accgatttca gaaggcacct cgcgttcggc acgtcgagcg ccagatcgtc tagagagtcg 180
atcaaacggt cgaacccttt agtgatctgg ctctcgttga taacgccttc cttcgcgccc 240
gaagaagggt agcgaggtcg acgactccgt ggtgcggcag ttcaaggata aggacgtttt 300
gatcataaag gagtact 317

<210> 23537
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F1

<400> 23537

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agattgattg agctgattgt cagataggtg tatctcactg gagtgctgtg atagtacatg 180

gcggtgctaa tgtatcatag tatgtcaaag aaaacctgtt caacaatctt gttagacata 240
 caaagttcat cagagatact aaagtcgcta tagatgatgc ttatgaaagc accaacagat 300
 aattcataca atctgactgt actgaaatca atgctgttct actgc 345

<210> 23538
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F10

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 ggaacatgtc tgaccgggca aagatgtcgt ggcaggcgta cgtggacgag cacctgatgt 120
 gcgagatcga gggccaccac ctgcgggcgg cggccatcgt cggccacgac ggtgccgcct 180
 gggcgcagag cacggcggttc cccgagttca agaccgagga catggccaac atcatgaagg 240
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 ccgtgaagag acagggcagg cactcgtcgt ggcattctacg acgagccgat gacgcctggg 420
 cagttgcaca tgggtgt 437

<210> 23539
 <211> 194
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F11

<400> 23539

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 tcgtcgagca acaaggcgta ctatcaattg tttttgtaat acccaaaatt agtgaataaa 180
 gggaaactgg ttat 194

<210> 23540
 <211> 396
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F12

<400> 23540

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gtgttcttta tagccaagcg gaaaaatgca aacatggatg ttctgtatct gtccgcgaag 120

atgccccgcy gaatccccctt tcttatagag gttacagctg cggttggtgt tcttggtgtg 180

aaatgtgcag tcaaaactcc aaatagagag atggttcctc tcttctttga agctatggag 240

gctctcacca agtgacgcca aagttaatgg atatgtggtt ctacaaaaaa ttatcagtcg 300

atgagctgct ataggtgttt ggatgcggca tttttttttc acggaaagct tgtgtgaatg 360

gtaatttttg gattagatta cagtatttaa actgat 396

<210> 23541

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-F2

<400> 23541

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tccgtggggc ccgcctcacc cgactccctt gccgcgcagg ccatgcgcgc cttcgccgca 180

caccgcgatg cctnctccct cacctccgcc tactccgctt cagcctcgct ggccggcctct 240

cgccggagcc accacgagcc ctccgtgtcc acaccgtccc tggatagttc aggctatgaa 300

tacacgtcca tgaagaacct caacgaggcc aagtatggat tctggggcac acttgccgcy 360

aaggcaaagt catttcttga cgaggactgc tccccgagc aatacaaata gccaaagat 420

gatgtgcatg tnggtgtcca gcttccacat tcaaaacaat 460

<210> 23542

<211> 372

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-D6

<400> 23542

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tcgatacccg ggaataccgg gtgtttgtag gcacatggaa tgtgggaggg aagcctnctg 180
acagcagcgt taacctcgaa gagtttctgc agattgaggg attgccgat atatacgtct 240
tggggtttca ggagatcgtg cctctgaacg cgggcaacgt gctggtcgtg gaggacaacg 300
aagccgcngg caagtggatg gagctcatct accaggccct gaacaggccg ccggcccacc 360
aggacgggga gt 372

<210> 23543

<211> 465

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-F3

<400> 23543

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ggtcaagccg ctgggaacaa ggtgccagct ctgcaagctt gatgttgctt tccggacaca 180
aggggatgct ggccgtgatg ccaatgctcc accagtcatt gcagttttgg catgccacca 240
tgtgttccac agcaggtgca ttgaatctgt ttacgggctc gctgagcctg ctgagtgcct 300
tgctgcctg gagtccggtg cagcgactg attgctaacc agatacacca ggtcaagagt 360
ctgaagtgct ccatntctgt gggccttttag atggtgtaag taggctacca ttggagttca 420
atagggagct tgaattatgg gacatgtcac atgtctgata tatat 465

<210> 23544

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-C10

<400> 23544

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aggttgtgcy atatattgta ggagataaga catgcacaag gtgctcatca acccaccttc 120

agaagctcta gaatcttttg actacattgc aaaacatggg aatttcagtt ttacagagag 180

gtttgccgtg aagtatgctg gtgctgcggc catgtacatg gtatctaaga aactaaagaa 240

gaaatacaac ataactgacg agcgtgcttc attgtatgat gctgccaata catggatcga 300

cgcactgaac ggaagagatt tcctgggtgg ctccaagcct aacttggcag atcttgccgt 360

cttcggtggt ctgagaccta tccggtactt gagagcanga aaagatatgg ttgagaacac 420

tgaaatcggc gattggtacc gacgcatgga 450

<210> 23545

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C11

<400> 23545

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aaaagctcct gttataaatc acgtgagact tgacatgcac actagtacta atcaacccat 120

catctcaaac catcgcatct ttttactaca tttcaaaact ttcacacatc tgttatacca 180

acatcttata cccgaacaat tctttctacat catacatctc catctcatct aataaaactaa 240

aaaaaatata caacata 257

<210> 23546

<211> 244

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C2

<400> 23546

gctgttttta tcaaaaaaaaa aaaataaaaa aataaaaaaa aaaaaaaaaa aataaaaaaa 60

aagaaaaaga aaaaaaaaaa agaaaaataaa aataaaaaaa aaaaaaaaaa aaaaaaaaaa 120

ataaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaatacaa aaaaaaaaaa aaaaaaaaaa 180

aagggcccaac ttttaatatgt ttcaaaaatt actatacgct aaaatgaact tcatttttctt 240
tatt 244

<210> 23547
<211> 361
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-C3

<400> 23547

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atcgcgatgg cgctcgcgcc gccgcaccct gctcaaggtc atcatcctcg gcgatagtgg 120
ggttgggaag acttccttga tgaaccaata tgtgaacaag aagttcagca atcagtacaa 180
ggctacgacg ggcgcggatt tcctcaccaa ggaggtgcag ttcgaggaca ggctcttcac 240
tctgcaaata tgggacactg ctggccagga naggtttcag agtctcggcg ttgcattcta 300
ccggggagca cattgttgtg tcctagtcta tgatgttaat tctatgaaat catttgacaa 360
c 361

<210> 23548
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C4

<400> 23548

cccacgcgtc cgcacacgcg tccgcggacg cgtgggtgcg aggctgccat cgcaatgtac 60
ctgaacgtct cctgcatccc cgaggcgcag gcgatcatcg gctcgagcgt cgctatccct 120
ttctcgtca atggcctagg ggaagggtggc tcccgagcg acacgtgccg cctggacgcg 180
ctgctacccc tgtacaacct ctccctgcac gcgccaaca tccgctccct catggcgtcc 240
ggcatcatcg agggcctccg gggagtgtg acgccgtcgt ccccggtggac ggacaaggcc 300
ctcgcggtgc tgctgaacct ggcgatgacc cggaggggca aggaagagat cgcggccagc 360
gcggccatgg tgggcgccat cgtgctcacc ctggacaacg gtgagccccg gggagaagag 420
aaggccgtgt cgtgtctgta cgtgatct 448

<210> 23549
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C6

<400> 23549

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gcagagattg cttactctcg cggcagcgct gacaatatca catgcatcgt ggtccaattt 120
caccatgaca aaaccggatg agccgtatgg ctgccaatTT cagttgtacc ctgcttcagt 180
ctattattat cctgcaagct ggggtggTggc ctggTgggct tctcccagat ttaccctgct 240
tcatgctatt attatcctgc aagccggggc gtggggTttc tcagatctat cgctcatgta 300
gcaactttca agcactcgtc cattgattct tttgtTgtct tgtaggaaac atttgttccg 360
acaggtgtag tagacacttt taaactgata attcaataaa cgtatgttta cggttactgg 420
ttagtgga aa ttggttttca ttttgcctt 449

<210> 23550
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-C7

<400> 23550

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gctgccgatg tgaaggTggt tgcatagaagg ctgacaaagg cccttggaag gaccccgaaa 120
tcatgaagat ggttcaaagt ggtgatggga ggtgtggatc actcggtacg gcctctttcg 180
aggctccgga gaaaatgatt tgtgaagacg acacgtatcc taagaaacaa gctttgtttg 240
atggggaaac acaattagct ggagacgagc attctcagtc acagaaaatt tcccgTggcc 300
ggattgaaca tcctcacgtg tcacctcttc acgaggaact taccncact tcaattcata 360
cccctggatc accctattct tgtgatgtcc cgatggTtga agaggccata gacgccatct 420
gcaagagcca cggaacacca 440

<210> 23551
 <211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-C8

 <400> 23551

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 agaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa taaaaaaaaa aaataaaaca aaaagaacaa 180
 ataaataaaa aatgcaaaaa cttaaaaaga taaatatgac aataaa 226

<210> 23552
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-019-Q1-K1-C9

 <400> 23552

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 gagcagttgc ttcaagcact gcaggctgat aatgagttga ggaggattgc acaggacatc 120
 tcaattcaag ggaggtataa aagccgtttc agtactatga agaagctagt aaaagatgga 180
 cggaagccag aagaagttaa agacattcta ggtttgaggg taatcttgga gcctcgggtg 240
 ggtggcaatt catctgattg gggccctagg gcttgccaca ggacacattg aaatattcaa 300
 gctatgtgga aggaaat 317

<210> 23553
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-D10

 <400> 23553

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 cggccagctc gcggcgggcg ccatcgtcgg ccacgacggt gccgcctggg cgagagcac 120

ggcggttcccc gagttcatga ccgangacat ggtcaacatc atgaaggact tgcacgagcc 180
 agggcacctc gcgccgacag gcctgttctt cggacctacc aagtacatgg tcattcaagg 240
 cgagcctggt gccgtcatcc gtggcaagaa cggatcagga ggcatcaccg tgcagaagac 300
 agggcatgca ctcgctggtg gcatctacga cgagccgatt acgcttgggc agtgcaacat 360
 ggtggtggaa aggctgggcg actacctgct tgaacagggc atgtaactac tacgtaccaa 420
 ctggcatgca tg 432

<210> 23554
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D11

<400> 23554

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 tgagagcttg gacatgttat atgtctcttt ccgtgcacaa ttactggtga tataaatctc 120
 aaaatgttat gaccaatttc aatatatttc agaaattaat attactaggt aactcatgta 180
 taatggttgc tttttaagca aatgccaaac aaatatagag aaggggggatt caaacagata 240
 tgatcttgca ctatttacia tcttggttaac catcttgtct atttctctta aaatgttact 300
 cagatgatga tttgtattca atacattcac caatggccga caaagatgac aatgatgagg 360
 acgaggccaa acacctgctg ccagctccat ccaacgacca gctttctgta gatgtaccgc 420
 caaagctagc gaaagatctt ctctgaacca ctccatg 457

<210> 23555
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D12

<400> 23555

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 gtgctgtcgc agtaaagaat cgtcaacaag ggcgttctag tgcgtttag attcttatcc 120
 aagacttgta tcatttgatg atgccatgtg aatcgctaga aacatgtgaa gtgtatggct 180

aaccaataa cgaaagtttc gtaaggggac tggagcaggc taccatgaga caaaagatct 240
tctttctaaa gagattcgat tcggaactct tatatgtcca aagttaatat ggaaattctt 300
tcagaggttt tcccttactt tgtccgtgtc aacaaacaat tcgaaatacc tcgacttttt 360
cagaacaggt ccgagtcaaa tagcaatgat tcgaaacact tctttttcca ttacactatt 420
tcggaaacct aaggactcga tcgtatggat atg 453

<210> 23556
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-D2

<400> 23556
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cgtgtagagc tggcaacagg aacagccgaa caggaccacg tcaatggaag tgggagcagc 120
cgccgccggc aagctgaatg cggagctgtt tcagtggttg gcgttcggcc gcgtgatccc 180
gttcatggag tttgccaaagc gcctggcgcc gaggtggccg cgccgtcacc ttcctctcca 240
tgcagaggaa cgtagccaga ctcccgcccc tcatggaggg cctgcctgcc cgagggcgcc 300
aagttcacgg ccgacgtgcc gtengagaag cactgttagc aacaatacaa gaaagacgtc 360
agaagtcac cagcaactgaa gatggagcac tgaagatgga aaagctgacc aacaatactg 420
a 421

<210> 23557
<211> 394
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-D3

<400> 23557
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ggtgaatcat ttgatgttgt gattcttgcc acaggttata agagtaatgt tccttattgg 120
ttgaaggaga atgaattttt ttcacagcaa agtggatttc caaacaacc aaatgaatgg 180

aaaggaaagg atggactcta tgctgctggg ttctcaaggc gtggtctact tgggtgtgtct 240
atggatgccca ccaaaattgc ggaggatatt gcgcagtctt ataataatat atataagcta 300
caaagatcat aagaacaaat gatattttaac tatttatcaa taatttagct atcaccattt 360
gagagtnttg taaatatatg tactagtcta tttg 394

<210> 23558
<211> 477
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-D4

<400> 23558

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gcgcccgggt cgcccttcgg gacgcgcgc cgaaccct agctccaccg atctatctct 120
ctccagccca ggcaggggga ggagatggcg gcggcgccag cggcgggagg gcagggaggc 180
gggggtatgg acgcgcgcgt cctcgacgac atcatagcc gtctgctcga ggtgcggaacc 240
gcgcgccccg ggaagcatgt gcagctctcc gagtcggaga tccgccagct ctgcaccgtc 300
tccgcgaga tcttctctcaa ccaaccaaac cttctcgagc tcgaggcgcc catcaagatc 360
tgcggtgaca tccatggtca atacagggat cttctaaagg ccttttgata tggaggcttt 420
ccctctgagc ccaatatcca ttctaggggtg atatggtgat cgaggcaaac aaagttg 477

<210> 23559
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-C1

<400> 23559

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gtttagggtt gaaaaatgtc cgtatttgca tcaaggcagc tgatctcgtg accacacctg 120
cggacgagga ggagatgagg aatagtagaa tacaaagaag agtttatgaa ttgttgtcaa 180
aaactgcgca tgggggcaac aattacaatg gccaaaagga gcttcatttt gtgtttttca 240
ggaaacctat caggttcatc cctgcagaaa atggttccac gggttggtgct gttcaacttg 300

agaagacagt attaaaaggt gatgaagtaa ctgggaagca ggtcgctgct ggaactggtg 360
aggttgaaga cctaaaat 378

<210> 23560
<211> 384
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-A5

<400> 23560

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atgagctgcc gattcaatca tcctccggat aggaatctgg ctattgcctc tgccagaatg 120
aagggagaat atcctgagag agcgggacag ccagagtgtc agtattatct gaagactgga 180
acatgcaagt ttggccctac atgcaaattt caccatccca gggaaaaggc tggaattgca 240
gggaggggtgc agctaaacac atcaggatat ccactccgcc cgaatgaaaa ggagtgtgca 300
tattatntaa aaacaggaca ctgtaaatat gcanatactn gtanattcac catccggact 360
tttcaatgtg gtgctttcgt cacg 384

<210> 23561
<211> 243
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A6

<400> 23561

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tctacagatg acctctctat gtgccagtat ctttcaatgc aatcatcctc catataagaa 120
tcttgctatt gtctcttcca taatcaaacc agaatacctt taaaaatctt tacaacaaaa 180
atttactca tatttcaaga ctctaacatt ccatttttac cctacattca aatttcacca 240
ttc 243

<210> 23562
<211> 156
<212> DNA

gctagcactt acgggtgtga cgaacgatct gctgtcgggt gagatgaaaa ggcgttcgcc 420
 ttctattaag gatgtaaag gtacaaaaag atgt 454

<210> 23565
 <211> 286
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B1

<400> 23565

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 tgttgataga ttttaagccaa cataactccca tcacatttaa tatattcaac atccttatca 120
 acttaatcct tatcgatatt attcaattcc taaatagata cctgatccca aagacataaa 180
 tcctcaatca tcatatcact attattatcc tacatctaatt cctacaatga tacctaattcc 240
 ataatacaac ctaccattta atcttaacaa aattcacaat cctaac 286

<210> 23566
 <211> 113
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B10

<400> 23566

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 tcttaaattt gcgcaacgtg ttgagtcctt ttgagatttt ttagatctgt gct 113

<210> 23567
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B11

<400> 23567

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 tgagccatgg gcgcctgcgc aaccaagccc aagacgcttg aggggcaggc cccagctgag 120
 gccgccgtct ccacacccaa ggttgccccc gaggccactc caatctccgt tgaggttgcg 180

gctgatgaac aggtagctga gaaggtggtg gtggaggagc cggctgcggc ggccgacgtt 240
gagcatcaga aggctaata ggtgctcgct ccagaggcgg ccgtcgccga gcccgaccac 300
aaggaggagg aagccgtgga gaagaccgtc gtcgaagagg agaagccagc ggcagcagcc 360
catgcagagg aaaaggtcgc caccgtcgcc gagaccacga cgacggtgga ggcgaagaag 420
aacgccgagg agggcccgaa ggagaagc 448

<210> 23568
<211> 276
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B12

<400> 23568

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catcgttttg tttcaattta tagtccttac atcttaccct ttattttcat taaccatctg 120
accttaccta tccacatata atatctcacc ttaacaattt taaaatcaaa aaaacatcta 180
ttttataatc acatatataa tcaattcatt ttccatcatc caaatcttac ttaactcgca 240
aaaccttaca ttctaatca ttaactccct ccaaaa 276

<210> 23569
<211> 442
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-B2

<400> 23569

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acaaccgccg tgatggcacc gcaacagcaa ggcggtggca tggctgacct cgacgtcacg 120
tctccaacc agccgcttct cccaacgag cagcaagaag tcgttgacgc actctacgtg 180
aatcacgaag ctacacccgc catccttcaa accgacgagg tcgtccaccg ccacggtgga 240
ggccacagcc ccaccgatga tcatcacggt gagcagcaac agcagcagct cttcgactac 300
ttctattacg atgccaccgn cagcgacgat gcaagtagca agcctaccat agacatcaac 360
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ctggctccgg cagctggggg at

442

<210> 23570

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B3

<400> 23570

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aggtcgaggt tctcaaagag cagctgctgt agctgctcta tcctctgtgc tgactgctga 120

gcaatctgga tcttcagaat ttctacgata caaagctagc aacacagcat ataagactga 180

tgtcgaccgg attgtcataa ctccagctgg cccatcaggc ccatcttctc ctgagtctga 240

agctggggag tccaatgtgt ttcaccagga aaaagatact gcagcagatg gggcaccgcc 300

tgacactgat ggagcagtgg ctgaggccgg ataggaagaa acaacggaaa atgttggtga 360

agcgacattt agctatgacc gcttgatata caaatccacc gatccagttc gtgggataga 420

ttacanacgc agagaggcat acttatcaga tagtgaattc aaactgtttt ggcat 475

<210> 23571

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-019-Q1-K1-B4

<400> 23571

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tctcctgctc attgtgtcca ccgatatggc acaggcaagg gaatgcgaga agtacagtga 180

gcgatttggt ggggcatgca tgatcgaga caactgcgcc aatgtgtgcc gcggtgaggg 240

cttcttgccc ggcagggtgca gcaccttcgc ccgncgctgc atctgcacta ggcagtgcta 300

aacaagatcg ctcgatcgct cgccatgcat cgacaaccta ttcttaataa cgttcattat 360

ctcgttctta attatgacga atgtcatgta tgttctgggt actgtcatgt atattctgat 420

450

<400> 23572

<400> 23573

$\langle 210 \rangle$	23574
$\langle 211 \rangle$	424

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B7
 <400> 23574

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 ggtccccaac atgagcacga cagaggatga gaggtccggc gccgccgcag aagcgggagg 120
 aggggaggag gagagacggg agaggagcgt cggcctgatg gccggcctcg tggacagggc 180
 caagggcttc gtggtggaga aggtggcgca gattcccaag cccgaggcgg cgctggatcg 240
 agtctccttc cagagcataa gccgcgaggg cgtcgagctg cacagccacg tcgacgttag 300
 caacccttac tcgcaccgca tccccatctg cgagatcacc tacaccttca agagcgccgg 360
 caaggtgata gcgtcgggca tgatgccga ccccggtgg attgcggcga gcggcagcac 420
 ccag 424

<210> 23575
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-B8
 <400> 23575

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 ggcggtctgc accccgcgcc ggctggccga gctgctcgtg tacgtgtcgg ccgaggtggg 120
 catgaccgtg gccgcgttcg cgcaccacga gctcaacgcc atcaaggacg acgacgtcct 180
 gtacaagtgc atcgacacct gctccgagga catcgaggag gccgtggcgc acctcagcgc 240
 cctctcccg gacttctccg acgccaggtt cctcgaggtc aagtcttggc tcacctccac 300
 gctcggcggc accgccacct gcgaggacgc ctgcaaggac gccccgtca gcgacatcaa 360
 gaacgtctgc ataaccaaga gtttcgagtt cgagaagctg ctgcgcgtca cgctggacct 420
 catcaccgag gctttcggct ccatgt 446

<210> 23576
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-B9

<400> 23576

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agaatccttg agcttgctga agagctgtct atgccacttg ctgctgtgaa gtactcccgt 180
gggacgttca tctttcctgg cgcacagcca gccccccaca ggagcttctc tgaggaagtt 240
gctgcactta accgctactt tggcggcctg aaatctgggtg gtaatgctta tgtgattgga 300
gatccagcaa gacctggaca gaagtggcac gtcttctacg cactgagta cccagagcaa 360
ccaatggtta accttgaaat gtgcatgact ggtctggaca agaagaaagc ttctgtcttt 420
ttcaagacta atgctgatgg gaacacaaca tgtgcc 456

<210> 23577

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A4

<400> 23577

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agtcccgtaa gaacgaagag catgtgaacc ttatcaagga atatcgtggc aagatcgagg 120
ctgaactgag caatatctgt gatggcatct tgaagctgct tgactaccac ctagtgcctt 180
cttctactgc tgctgaatca aaggcttctt acctcaagat gaatggtgac tatcacaggt 240
atcttgcgga atttaagact ggtgctgaca ggaaggaatc tgctgagagc acaatggtgg 300
cctataatgc tgctcacgac attgctctgg ctgaactggc acctacccat ccgataaagc 360
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<210> 23578

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G4

<400> 23578

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 gcgatgcctg aggctagaca aatactgagc tagccttcag aaaaaaaag aaaagaaaga 120
 gattgagaag cagggagaaa aaatggcact ggcccattga ggaagcttga gaaccagtta 180
 acaagaattg ccaacatatt cttggacaat cttgttaaca gagttttaag gtttcccagc 240
 agagaagagc gcgtgcaacc accacattca tataattaat aagcaagggt tagagaagag 300
 gcaacatggg cacaaagatg aagaagggga tcctg 335

<210> 23579

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G5

<400> 23579

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 ggctgcagcg gatctttggc gcctccggca tggggcagcc gccgacggac tcgccgcttc 120
 tcgactcctc cgagcaggtc tacatctcct ccctcgcgct tctcaagatg ctcaagcacg 180
 ggagggcccg cgtgcccattg gaggtcatgg gtctcatgct cggcgagtgc gtcgatgact 240
 acaccgtcag ggctcgtcgac gtcttcgcca tgccgcaaag cgggactggg gtc 293

<210> 23580

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G6

<400> 23580

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 tttgaaggac cagtcacatc tcaactggca ggaacatatg aatgagacat caccagtagc 180
 aggtttattg aatgctaatt tggaggagca gtcacatctc aactggcagg aacctaagaa 240
 tgagtcatca ccagaagcag gtttcttgaa tgctaatttg gaggagcagt cacatctcaa 300
 ctggcccttg caggaatgtg agccatggat tgagagacat atgttttgac caataagttg 360

atccttggtgta caagcctgac tttccatggt c

391

<210> 23581

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G7

<400> 23581

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ctgggttttgc tggaattatg cttgaggatc aggtggcacc taaagcatgt ggacatactg 120

aaggaaggaa agtcatatca agggaggaag ctgtcatgca cataaaagct gctgtagatg 180

ctaggaaaga gagtggctct gacattgtta ttgtagcaag gacagattct cgccaagcta 240

tttctcatga tgaagcatta tggaggggtga aagcatttgc tgatgctgga acagatgttc 300

tatttattga tgcccttgct tcagtagaag agatgaaagc attttgtgcg ggtgca 356

<210> 23582

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G9

<400> 23582

gcgcacggct cacgttgtcc gcctcacgta aaggctcgtg ccttcgtctc ctatctcgcc 60

tcgcgaggtt ccacttccca tttcctcctt cgtccgcac agggacacac tgcctccgca 120

tgcggaaga tcctccctca ttccccaaac atgagaggag cagaggagga gagatctggc 180

gccgccactg atgcgggagg agaggaggag aaacgggaga ggagcgtcgg cctgatggcc 240

ggcctcatgg acaaggccaa gggcttcgtg gtggagaagg tgacgcaaat cccaagccc 300

gaggctgcgc tggatcacgt ctcttccag agcatcagcc gcgagggcgt cgagctgcat 360

agccacgtcg acatcagcaa cccctactcg caccgcatcc ccatctgcga gatcacctac 420

acgttcaaga gcgccggcaa ggtgatagcg tccggcacga tgccccgaccc ccggtggatc 480

<210> 23583

<211> 327

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H1

 <400> 23583

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 cggggcggggt tttgctgtaa ttatgcttga tgatcatgag gcacctaaag catgtggaca 120
 tactgaagga aggaaagtca tatcaaggga ggaagctgtc atgcacataa aagctgctgt 180
 agatgctatg aaagagagtg gctctgacat tgttattgta acaaggacag attctcgcca 240
 agctatatct catgatgaag cattatggag ggtcgaaagc atttgctgat gctggagcat 300
 atgttctatt tattgatgcc cttgctt 327

<210> 23584
 <211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H10

 <400> 23584

 tctgactcgt ttgaaaaaaa aaaagattta aaaaaaaaaa caacaaaaaa aaaaaaatac 60
 taacatacaa acacatacat acaacaacaa tatctattct ataatctcac ctactttcaa 120
 ttctcttctc ctctttttac aacatcttaa ctaataaaac cctactgtca cccaacttaa 180
 taatctttca ccacataaac cttttttcac ctaaccta atccaatata cccctccta 240
 ttttccttcc taacattttc tcactcta attaactta tactccccct cttccttctc 300
 attattcact tctcttt 317

<210> 23585
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-H11

 <400> 23585

 cccacgcgtc cgccacgcg tccgcaaacc gacgatggcg tcgaataaga cggtcctgat 60
 cgtcgcggcg atgtttctca tcacgctcgt gctggaggcc gccctccgg cgaccgccat 120

ggactgcaag gccgggtgtg acgaggtcac gggccactc cacatgagca tggaggactg 180
catgaagagg tgcaaggaga tcgctgctaa gcaggggcct agggaccctt acaaggataa 240
caaacttgac atcccatgaa ctaattaatg ctctatatc atctgcctat ccatgcatgc 300
attgcattgc gtatgcacac tgtgcgtgcc tgcccacaaa gttcgacaac acaccgatct 360
cgacggattt gtaatcgtgt ccactcgatc gagagatcga tcgatgcctg gtattatatt 420
tgtattccac attatatata gg 442

<210> 23586
<211> 496
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-H12

<400> 23586

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ccacacaaag tttctgctcg atcctcatct cctccctctc tcgagtcaag agcagagcag 120
ctaccaaaca agctctcctt tcgcttccga tccatggagc tcgacgccga caacctgagc 180
gccaccgagc tccgcctcgg cctgcctggg accagcagca gcagcagcga cgactggcag 240
aagaagccgt cgccctccgt cggggccaag cgcgctctgg acgacggcac caagagcgag 300
gcctcgggga ccagcccggc cgnacagagc ctgcacttcg accacgacca cgacaccggn 360
cgcgcctcca aagcgcaagt ggtcgggtgg ccgncggtga gggcgtagc gaagaacacc 420
tttcaggcgg cggcggcggc caagaaggc gagcagaagc agaagcagca gcagcaggga 480
ggcctgtacg tgaagg 496

<210> 23587
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H2

<400> 23587

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cggaccacct gagggccacc atcgacagct tcgccaacga ggcgctccgg acgctgtgcc 120
 tcgcctacgt cgacgtcggc gacgggttct ccccgagcga ccagatcccg acggacgggt 180
 acacgtgcat cggcgctcgtg gggatcaagg atcccgtccg tcccggcgtc aaggagtcgg 240
 tggcgatctg caggtccgct ggcataccg tcaggatggt cacgggccga cacatcaaca 300
 cggccaaggc gatcgc 316

<210> 23588
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H3

<400> 23588

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 aagcgtccgg gcctggtggg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca 180
 agacagacag cacgaatgct gtgcaggagg catgggcatc ggcgtgcggc ggcactggga 240
 agcagacaat cctcataccc aagggcgact tccttgctcg acaactcaac ttcacaggct 300
 ccttgcaagg gcgacgtgac tcatccaggg gatggca 337

<210> 23589
 <211> 209
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H7

<400> 23589

aattgaacta tccagctaca actaaaaaga aacggatgga gtatttggtta ggcgtaccag 60
 gcgcagactg cttcctatatt gtctgtgggg ctgtaactgt aagccttggt tgtgaccct 120
 aagcagtctg cgtcttggtg ctgctgctgt agcggtagag cagagagaga tcaaatgtaa 180
 attacatatt tttagctcaa attcacgac 209

<210> 23590
 <211> 342
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-H8

<400> 23590

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caccgtggac cgctcatcc agatgttcgg cgccaagggg ttcacggtgc aggagctggt 120

ggcgtgtcc ggcgcccaca cgctgggctt ctcccactgc aaggagtgc cgcaccgcct 180

ctacaacttc cgcaaccagg gcggaagcc ggagcagttc gaccccagca tgaacccgtc 240

ctacgccagg gggctgcagg acgtgtgcag ggactacctc agggaccca ccatcgcgc 300

gttcaacgac atcatgacgc ccgggcaagt cgacacatgt ac 342

<210> 23591

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A1

<400> 23591

gggagagaga attcgggagc atgtacactg actgggatat ccttcctcct cgtaagatca 60

gagatgttaa tgcaaaaaag ccaaaagact gggatgacag ggaatatatt gaagatcctg 120

atcaagttaa gccagagggg tatgattcaa ttcctaaaga gatactgat cccaaggaca 180

aaaagcctga gtcattggat gacgatgatg atggatcatg gaagcctaga atgataccta 240

atccagaata caagggacca tggaagcgga agaaaattaa gaatcctaac taaaaggaa 300

aatggaagac cccatggatt gtcaatccag agtttgagga tgaccagac ctatatgttc 360

tgaaaccttt gcagtatgtg 380

<210> 23592

<211> 72

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A10

<400> 23592

ctcctaccgt gggcttcgat gagtcgatta tatatatgag tatcatgttt ataatagttc 60

gagttattgc at

72

<210> 23593
<211> 195
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G3

<400> 23593

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gaggttgggc tgaacgggaa ggcgatcgaa gagatcgtga acgagcacia cgtgttccgc 120
gccaaagagc acgtgccttc gcttgtgtgg aacgcgacgc ttgccaaggt cttgcaacia 180
tcccccgaga acctt 195

<210> 23594
<211> 412
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-A2

<400> 23594

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gagggggcaa cagctgcccc agaacctgac cggaagagtt gtgggagcgg cggcggaaag 120
atggggcagg ccctgcgcag gctcttcgac tccttcttct ccaccaggga gatgaggggt 180
gtgatgcttg gtctggatgc agctggtaaa acaacaatac tgtacaggct tcacatggga 240
gaggttcttt caacagtccc tacagtcggt tttaatgtcg agaaggttca gtataagaat 300
gtggcattca ctgtgtggga tgtgggtgga caagaaaaac tcaggtcact gtggaagatg 360
tacctgagta attctgatgc actgatctat gtcngtgatt ctctggacag ag 412

<210> 23595
<211> 420
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-A3

<400> 23595

gaaaaagatc tatttgagaa atattacaag caacacttgg caaagcgtct tctttctggg 60

aaggctgctt ctgatgattc tgagagaagc atgcttgtga agctgaagac agaattgtggc 120

taccagttta cttcaaagtt ggagggcatg ttcactgatt tgaagacctc tcaggatact 180

acacaagggc tttatgcac tacttctctg gagctgccgg cagatgcccc tacaattgtct 240

gtccagatac tcacaactgg gtcattggcca acgcaaacct gcaataacct caacctcccc 300

cctgaaattg tctctgtctc agagaagttt cggctcttatt accttggcac acataatggc 360

angaggctaa catggcaaac aaacatgggg acggctgaca tcaaaagtac atttggaaat 420

<210> 23596

<211> 126

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E5

<400> 23596

cccacgcgtc cgccgagagc ctgcgccggt tcggctggat cgtgccggcc tacaccatgc 60

cggnccgacgc ggaacacgtg gccgtcatgc gcgtggatcat ccgcgaggac ttagccgcgc 120

gctcgc 126

<210> 23597

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E6

<400> 23597

attggaagag gcagacgtgt ccaaagccat tctaggttac atcactgcaa acaagatcca 60

gagcattgcg ctccggcgag ccaacagaaa tgcgttcacc aagaaattca agaacgcgga 120

cgtgccgtcg accctgatga agtgcgctcc agactactgc aacatctacg tcgtggccaa 180

gggcaagtcc gtcaatgtca ggctcgccaa gtgcggcgtc ccgccgatgc aactggcgcg 240

cgacatcgct tcggacaccg actccctccg ggaatcgggt ctctacatgc gacgcggctc 300

cagggggcac ctgccgcggg tga

323

<210> 23598
<211> 140
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E7

<400> 23598

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tcgtagaaaa agtttaccac gtcttcgaca atcaatttcc tgtagctatt aaacggttgc 120
agtttgatat gcatcttttt 140

<210> 23599
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E8

<400> 23599

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gggagacctt tcaattggat tggaccaagg atggacttca ttcttggtgt tgatggctct 120
agtgaaggctc tgcctcgggt tttggcttgc ttcagtaaca atctgctccg gagagagccc 180
ttgaagcttg ttgatggggg tcagtctcag agaacctttg tctacatcaa ggatgccatc 240
gaagctgtag tgctgatgat tgaaaatcct gctcgagcca actgccacat cttcaatggt 300
gggaatccga acaatgaagt taccgttagg gagttggccc aaatgatgac agaggtctac 360
cacaaatgct tcaggagagg caccggtgga tgagccca 398

<210> 23600
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-E9

<400> 23600

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gtctgtttgt agagcgataa ttgctctgat ggcccatcct gaaccagaca gcccaacttaa 120
ctgtgattca ggcaatctcc tgcggtcggg tgacatcaga ggctatcaat caatggccccg 180
catgtataca aggctggctg ccatgccaaa gaaaggttag atgtagaaca tgtgccaagc 240
caagagccta tgtcagtcca tatgttgta ggtttgctgt gtgctgtctg tctgtgaact 300
tggtgggttct tgtttcctaa taagtcctaa ccattcatgt gtgtgtattc tgtattctgt 360
atccccgatt cccgatgctt ggtctgtgat gtaataaatc ctggaattca acagttgnta 420
cttctgatct atttatttaa gtgctcagta tttcccgtc 459

<210> 23601
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F1

<400> 23601

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gaagctgcaa tgtccaaaga tgatacggaa ttactaaagg tcatggctaa ctacggtgag 120
gatgtagttg aagctctggg atatgaaatg gatcggcttg agtctgagat caaaaaactt 180
gtgcttgga ttaaacaatgt ttacaatcaa ggacacaatc cagaaaggct tactttttaa 240
acaaaaattt tgtagattaa ctatgtacat tgcatttgat ttaaacaact tacacataga 300
acatctggat actactaaac agaaaccaca ccactagaga gcatgcatta acaacattag 360
aaagcgggta cacaagttgc attaaatcca cagacttta catatacata tacattacac 420
aatcagttaa tatacagatg actggat 447

<210> 23602
<211> 479
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F12

<400> 23602

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aatacctaac acattgcact cagactacat atactgtgtt tgtgtgttgt atgccgtatg 120

cgtgtgtgag cttgcgcaaa ttggacatct aggccgtgcg tatectgcga tgaaaggcgc 180
 cgtcatcggc gcatcgaccg tectggtegt ggcggtggtg gccaccatct gcgtcgtttc 240
 cttcaaaggc agcggcgatg gcgggagggc cgaggagggc gagatgtcca cgtcgggtgaa 300
 gtccatcaag tccttctgcc agcccgtgga ctacaggag acgtgcgaga aggcgctgga 360
 ggcgggcgcc gggaacgcca ccagccccac ggagctggcc aaggccatct tcaaggtgac 420
 gtccgaccgg atcgcggaagg ccgtgcgcca gtctcgctg ctcaacgagc tcaagcacg 479

<210> 23603
 <211> 298
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F2

<400> 23603

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 gatgcgtcta ttgatgaagt ctggtaactc cgaaacaggt tacagtcttg ctacatggaa 120
 tgacgcattc actacaaatg gcttatctgg gaagactacc atgttctcaa ggctaaatgt 180
 gctacattac cgatctgcat accatgctgt tctataacgg ggtattgtca ctacagtgc 240
 tacggatagt cagatggcta aagagtaacc gatttgatgc ttgaaagctc aatgtctg 298

<210> 23604
 <211> 361
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-F3

<400> 23604

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 naaaagcact ctaaattggg gcagaatnna agcatgcgtt cgagagcgcc ttaatnntga 120
 acnntgcgac aanntatgac ntnggcacn tnntttgctt tagngaaccc atntcangnn 180
 tacttatntn nttcagaaat cangnaatct tgcangnntt gtgcnntgaa tacntnnttg 240
 aaaggctatn tnntattctc cattttatga aacnctttt nnaagcaagg gtatnngggc 300

agaatggann gcgtgctata cnntctctgc tgagaatgac aaagtattcg acatccccgtg 360
g 361

<210> 23605
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F4

<400> 23605

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gacattcaca ggggggacag gaaatcagcg gccatggcct cgattccggc gacgaccttc 120
gccgtcatct tatccgtcct cttctgtgcc gcgggtggca ccgccgtcga caacgacctc 180
cccgactacg tcatccaggg ccgctgtctac tgcgacacct gccgcgccgg gttcgtgacc 240
aatgtcaccg agtacatcgc gggcgccaag gtgaggctgg agtgcaagca cttcggcacc 300
ggcaagctcg agcgtccat cgacgggggtg accgacgcga acggcacgta cacgatc 357

<210> 23606
<211> 245
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F5

<400> 23606

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cgcgcgccac agctgcggtc ctcttctaca tctctgccgt cgctgccctc agcgcggccg 120
aggcaccggc agagtcaccg aaggcaggca gtcttgccaa ggcaccggcc gagtcaccga 180
aggcaggcag tcttgagct cctgccaagg cacccgagtc tgctgccacg agaactgccc 240
ccgct 245

<210> 23607
<211> 252
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-F7

<400> 23607

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aagcgtggag gatcgatgcg tccccgccgc cgcagtatgt tttaagctga cttgcggtag 120
atgtgttggtg gcctgccggc ggccggcgctcc ttctgggtgt ctatgacagt ctccaaggcg 180
ccgacgagcg ccttgaccct gctgcactgg cgcttctgca tcagcttggt gcgtgccgnc 240
tcgatcacgt cg 252

<210> 23608

<211> 366

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-F8

<400> 23608

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gggcgccaag aacctctaca tcctctccgt caagggcatc aagggccgcc tcaaccgcct 120
cccgcccgcc tgcgttggtg acatgggtcat ggccaccgctc aagaagggga agcccgcct 180
caggaagaag gtgatgcccc cgcctcatcg cgcgcagcgc aagccgtggc gccgcaagga 240
cgggtgtctac atgtacttcg aagataatgc tggagtgtgt gtgaatccca aggggtgagat 300
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<210> 23609

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-F9

<400> 23609

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ccggcgcggt ggccgccctg ctgcggcggt ggccggacca ggacctgctg gaccggtcgg 180

gggccgcgct ggcgcgccgcg gcgtgggcgt tctccctgct ggcgttcctc gtcattggcct 240
gcaacgagca tggggactgg aggcagttcg accgctacga ggagtacagg tacatcgctg 300
ccatcggcct gctggccttc gtctacacga cgctgcagc 339

<210> 23610
<211> 255
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G1

<400> 23610

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aagttcgcca tccgctacgc gctctccggc aaggcctgga acaacatcaa caacaagacg 180
gccttcacca accgcaccga ctacggcaag ggcgagcgag aggcgcagtg ggccacggca 240
cagaggacgc tgcac 255

<210> 23611
<211> 430
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-G10

<400> 23611

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ggcctcctcc cccgcccgtc cgcagccggc cgacggccgt cctcccgcgg cccccgttc 120
ccgcctccac cggcagcctg ggcgacggtg gacggccccc tcgggcttcc gctggaggac 180
gcggagggcc acgcccgcgc cttcttcatg tggggtttcg cgtgcctccc cttcctctgg 240
gccatcaact gctgctactt ctggcccgtc ctccgctcgt cggtcgcctc ctgcccgc 300
gccttcgccc ccatccgccc ctatgtttgtg cggtcggcaa ttggcttcac catcttctcc 360
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gtgtggaatg 430

[illegible]

<400> 23612

<210> 23613

<223> Clone ID: LIB3066-018-Q1-K1-G12

<400> 23613

<210> 23614

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<223>      unsure at all n locations
<223>      Clone ID: LIB3066-018-Q1-K1-G2
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<400> 23614

10246

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ggagtcccg c cacaggaaca acggtggcgc gggcatcgat gacctcatct ncagtgcggc 300
gcgcttnac gccaacgtgg atgcacgcgc cta 333

<210> 23615
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-E4

<400> 23615

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cggcccactt tccgttccga tgcgaccgat ggcggnnta ccgcccccaa tgggtncaat 120
cccacctgt cagctccctt tcgcggaac ctggttccgg tccaaggccg gttctgttcg 180
acatnctgac gggaccctgt gcgaaactcg gatccccctc accaacgtcg ctttccaaga 240
gatgcttctc gagatcgggt acaacaatgg cgtgccgata gacgaggagt tcttcatcaa 300
gaacatcgct gggaggagtg acgtcgaaac tgcccagaac cttgtcccg actgggagct 360
tgagaggggc tcanattnct agaggacaag gaagcaaat acaggagtct ggca 414

<210> 23616
<211> 110
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C8

<400> 23616

cccacgcgtc cgcaaaacat ggctgtgaat gtgagcacca tgtggtcggt gatgcaggca 60
cggtttgcta tggttgtggc gttgtccttc ttggtgagcg gcgcatggtg 110

<210> 23617
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C9

<400> 23617

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gttttgccgg tcagggtctt cacgaagatc tgcatgcctc ccctgaggcg cagcaccaag 120
tggagggtgc tctccttctg gatgtttag tcggaagcg tgcgcccgtc ctcaagctgc 180
ttcccagcaa agatgagccg ctgctggtct ggagggatgc cctccttgct ctggatcttg 240
gccttgacgt tgtcaatggt gtcagaggac ctgcgcggca tgctcaacat cgggttccag 300
ctgatgacca ccatcgcat cctggcggcg aacctgatca act 343

<210> 23618

<211> 217

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D1

<400> 23618

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gccggtcgtc gatcgaggaa ccaagctgct gctgctgcta ccgacgaca ccaaccatga 120
tacggaggac gacggtgtgc ctaggcctgc tgcttctact actggcggcg tcgactgcga 180
cggcacattt ctgatcggc gaacgtgacg agtactt 217

<210> 23619

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D10

<400> 23619

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aaccccaagg aggtgttcca cagcgttgcc aaggtggcg tggagtcggt gaaaacagcg 120
gtcgagcagt ccaagacgat cggcgaggct aatgccagcg actccatgac cgagagcgcg 180
cgggaggact gcaagaagct cctcaggac gccgttgacg acctcagggg catgctcgag 240
atggccggcg gcgacatcaa ggtgcttctc agccggtccg acgacctcga gacatggctc 300

acgggcgctca tgacgttcat ggacacctgc atcgacggct tcgtcgacga gaagctcaaa 360
gccgacatgc acaccgtgct gcgcaacgcc accgagctca gcagcaacgc gc 412

<210> 23620
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D11

<400> 23620

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acatgccgcg gcacacgtcg ccgttccttt ttgccttggt ggcgtcggcg gcgaccctgc 120
tcagcgtcgg cgacgcgttg gtcgtcgacg gcctgcaggt ggggttctat ggcaagacgt 180
gcccggcggc cgaaggcgtc atcagcgaca tcgtcaaaa cgaaatcgct atggaccggg 240
gcatctcccc tggcctcatt cgcctcttct ttcacgactg cttcatcacg ggttgcgacg 300
cttcattct cctggacgag tcgcccgcg gcgacgtccc agagaaggag tcgtccgcca 360
acggcttcac cctggtcggg ctcaaacca tcgacatgc caagtccacc gtagagggca 420
tgtgccccgg caaggtctcg tgcgc 445

<210> 23621
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D12

<400> 23621

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gcctgtacgt atagaagaaa gaaggaagaa ccgtcaccgt acgtcctcgc cagtacaaat 120
aatggccctg ctcaaagccg cgcgcgtcgc cgatgtgcc accctggacg tgggtgtggc 180
ccccggcctg gtggcgggttg ccaaggcgag gagcgccgc gcggtgggc gccggttctc 240
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ggaggtccgc gagaacacgg tccgtctctt caacgacgcc ggacgattcc ccgtcgacta 360
cgtcgagttc gacgtccaag tcaccaaagg acgggtgccc aatcatcttc catgacaact 420

tcattcttcac a

431

<210> 23622
<211> 263
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D2

<400> 23622

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cggccgcgga ttcgcgaccg agccttgggc cggcccgggc tctggttcgc gggcgccgag 120
ggagggccgt ggtgggtcgc gcggggaatg ctctacctca agcagccggg cggcgccgac 180
gtagagtcc ggcaggcggc ggcgggcggt gcggtgctgt gatctgccgc tgcggtggat 240
atatgcgaga ttgagccagc acg 263

<210> 23623
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D3

<400> 23623

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gagtctattt tgggtgtgctg aaagatggga cgaaatctgc agtgaagaag cttgactcca 120
gcaaacagcc tgatcaagaa ttccttgtgc acgtttcagc tgtctcaagg ttgaaacatg 180
agaatgttgt ccaactcgtc ggatactgcg ccg 213

<210> 23624
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D4

<400> 23624

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tgggggatac ctacaagatg atgcttatta ataaatccta tatatatata ctatatttta 120

taattcctat tctctaatta ttgtataatc ttcaataata ttgttaatat ccaatcaccc 180
ctcatgatta cataagcatt tatgattgta taaccaaatt atataatttt catatactat 240
gcaattaaaa aatattaata attcattaat ttattataaa atatattaat tatttattaa 300
aattctatat tttta 315

<210> 23625

<211> 193

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D5

<400> 23625

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gggggcatcc agcaatggca agacagacag cactacatct ttgcaggatg catgggcatc 120
ggcgtgcagc agcactggaa agcagacgat gtcatatcc agaggtgact tcattgtagg 180
acaactcaat ttc 193

<210> 23626

<211> 248

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D6

<400> 23626

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tcggcggcac cgtggacttc atcttcggcg acgcggcggc ggtgttccag aactggattc 120
tggtgctgcg ccggccgatg gacaaccagc agaacatcgc gaccgcgcaa ggccgcgcgg 180
acgcgcgcga agccacgggg ttcgtgctcc agaagtgcga gttccaggcc gaggccgcgc 240
ttcgggac 248

<210> 23627

<211> 221

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D7

<400> 23627

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cgatcatcag aggttgcttg agcactcgag cctctcagag caaattaaat ctaaccgtcg 120

tcgtgtcatc cgggtatatt taccttgtag atcgtctttt catattgctt ggtgtgtcag 180

tggtaccgat ggaggcataa cataaatgat ccatgaattc c 221

<210> 23628

<211> 243

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D8

<400> 23628

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gtgatacctg cagcagcaag ctaattaagt tggccgatat atatataata tataatggaa 120

gccctgggct ttgattattg gggaagcccc aaccagaatg cggataggcc accaccccg 180

atgattacgt tagcatttat gctggtataa ccaaattata taattttcat atactatgca 240

atg 243

<210> 23629

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-D9

<400> 23629

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gaaccgcaaa cgtcaaatat catgtcaact actactaca ttcaagagga tcctttatct 120

gcatttttca gtgcagctgc aaatgctggt ggcaattctg ctgtagctgt tgcaaggcaa 180

ccaattcaac tttttggtgc tactccggtg gctacacatg cagctactag tatcactaca 240

atacaatcgc caggcttgca ttatttgctt cttcacaag cctcatcggt ttctgggatg 300

cctgctgatg ctcatggttc tataggaagg tccacaaacc ttgtaaatcc atcacttttc 360

tcaccattga cgtcttcaca gacaacaatg gtgtgcacta attctgtagt a 411

<210> 23630
<211> 123
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E1

<400> 23630

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cgacagggtc cacacacacg cgtcgagcgt ggtcggacct cgggcgggcg gggagccatg 120
acc 123

<210> 23631
<211> 480
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E10

<400> 23631

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tggagatggt gaacgatggg atgcaggagt tctttgtaga atttcgtggg cctaacgaaa 120
gcatttatca aggaggtgta tggaagggtta gagtagaatt gccagacgca tacccttaca 180
aatccccatc gattggtttc atcaataaga tatatcaccc aaatgtcgat gaaatgtctg 240
gttcagtctg tttggatgtc atcaaccaga cttggagccc aatgtttgat cttgtcaatg 300
tgttcgaggt cttccttcca caacttctgt tatatcctaa tccttctgat ccattaaatg 360
gagatgcagc tgcgttgatg atgcgtgatc gccctgctta tgaacaaata gtgaaagagt 420
actgtgaaaa atacgcaaaa ccaggggatg ctggtgtcac ccagaagag caatccagtg 480

<210> 23632
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E11

<400> 23632

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agtagatgct gctgtagaac ttgggtatag ccctgttaag gtcaactgtg tcatcatgcg 120
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 cgttagattt attgagttta tgccatttga tggtaatgtt tggaatgtga agaagctagt 240
 tccttatgca gagatgttgg acaaagtgcg gcaaagttaa aaaggagtag agagacttca 300
 agatcacccc acagacactg caaagaattt caggattgat ggacatgttg gcactatttc 360
 atttattaca tcaatgacag agcatttttg tgctggcttg catagattac gggtattggc 420
 tgatggaaaa cctcaggtgt gcttatttgg cccc 454

<210> 23633
 <211> 240
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C7

<400> 23633

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 tgtggcgcg cagagctgcg gtcctcttct acatcctcgc cgtcgctgcc ctcagcgcg 120
 ccgaggcacc ggcagagtca ccgaaggcag gcagtcctgc caaggcaccg gccgagtcac 180
 cgaaggcagg cagtcctgca gtcctgcca aggcaccga gtctgctgcc acgagaactg 240

<210> 23634
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E12

<400> 23634

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 catggtaatt ggatcgagat tctacgtgtg gataacctgg tcatcaccgg caagggaaac 120
 cttgacgggc agggcccagc cgtgtggagc aagaactcct gcaccaagaa gtacgactgc 180
 aagatccttc ccaactcgct ggtgatggac ttcgtgaaca acggggaggt gtccggggtc 240
 acgtgctca actccaagtt cttccacatg aacatgtacc ggtgcaagga catgctgac 300
 aaggacgtga ccgtgacggc gcccggtgac agccccaaca cggatggcat ccacatgggc 360

gactcatccg ggatcacgat caccaacacc gtcattggcg tcggtgacga ct 412

<210> 23635

<211> 333

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-018-Q1-K1-E2

<400> 23635

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ttcgaccatt ttgctgtagc gtgaattgca tgcattggaca tgcaacgctc caatggcctt 180

tggaatgtgg aatttttttc cccattttct gtatttttcc tataaaaaat gaactgggtc 240

ttatataatt cctctcaaaa aanaaaaaan nnnnnnaaaa naaaaaaaaa aaaaaaaaaa 300

ccaaaaaaaa aaaaaaaaaa aaaaaaaggg ggg 333

<210> 23636

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-E3

<400> 23636

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gcctgggtct ccgtcctcta gcgaccgacc aacgcgccga gcgaagatgt cgtggcagac 120

gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcacgt cggcggccat 180

cgtcggccac gaaggcgcca actggggcta aagcaccggg gtccccgagt tcaagcccca 240

agagaatgct ggcattcatga aagatttcga cgagcccggg caacttggcc cgaccgggct 300

gacacctgga gggaccaagt acatgggcat tcaaggggaa cctggagctg tcattcgtgg 360

caagaaagga tcccggggca ttactgtgaa gaaaacaggg cagtcactca tcattggcat 420

ttacgacgag cccatgactt ccgggca 447

<210> 23637

<211> 347

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A8

 <400> 23637

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 ttccacgcgc gatggcgccc accaggatcc gcgtggcctt gctgagcttg gcgctggtgg 120
 ggctgctcat ctgccacctc gccaccaccg cctccgcggg caagaacaga atccgcatcc 180
 tcgacagcgt cgacgactcg gccggggaca acaacagctc cgacgcctcg gccggggaca 240
 acagcaccga ctccgagtcg gaaggccgcg tcgtctattc cgacatgaag ctggctgatg 300
 agactggatc tgcgcgggct ccggcaacgg cgccggggcc gacgacc 347

<210> 23638
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A9

 <400> 23638

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 aggggatgct gtcgtatgat aagttgctca gctgcaaggt gctgggcaac tgcgacaaga 180
 acagggggccc cgggggccacc cgcccgggga agcccgtaaa caagtacacc cgcggtgca 240
 gcccgctgac ccggtgccgc ggcggctgat catatctccg gtgggttctgg tcgatgtgcg 300
 cgcaacgtca cgcgctgca ggcaccagcg ccggccggcc cctgagggcg ggggcaaagg 360
 gggcaaccgc cctggtgggc ctcgtaatct ggaagacccc aattccgtgt acacattagt 420
 atactgcata tgagtttttg catgtgtatt a 451

<210> 23639
 <211> 476
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B12

 <400> 23639

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 ccgcgtccga ggacgagatc acggagcccc gcgcgctgtc catggccttc atacgcaacg 120
 tggaggcgga ggtgatgagg ctggagaacc tcaaggagtg ccggatgaga gaactcgtcg 180
 tgaagaagca cgaggagctc aaggagatcc gccgccgcgc gcgtctgccc gaggacgaca 240
 ctaccgtcat ggtgttcgac gccatggaca gcgatgctga gcgtgctatg atcctggagc 300
 ggctggaatt gcagatctcc aaggccaagg acctggagtt cagccggaag gacgtgctgg 360
 agaagatgga cagggtggcag gccggcgtgg aggaggagtc ctggctcgag gactacagca 420
 gaaacgagaa cagatacaac accggcaaag ggacgcacct cgtgctcaag cgagcg 476

<210> 23640
 <211> 292
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-B2
 <400> 23640

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 attgctggac agtacctgat agcataaact ttaaagttcg gagcaagaat ttcccacacg 120
 acaaatcata gatacctgca gcaagttatc taatggagct tgcagccatc gactggttta 180
 aggacaccaa acgtatggat aacgttgcta tgcacaacgg ttgtgttgct caggctgctg 240
 gtgaaaaagg gatgcataca ttgaatgtca acatacagat tccttgatca ac 292

<210> 23641
 <211> 231
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-018-Q1-K1-B4
 <400> 23641

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 agagcgctc tgtggcctcg ggaagagtta tcttttctgc ttaacggccc gccaacctg 120
 gaatcggttc agccggaggt agggccagc ggccggaaga gcaccgcaca tcgcgcggag 180
 tccggtgcgc tcccgcgaa tcttgaatat tcagaaggcc taattccggc t 231

<210> 23642
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B6

 <400> 23642

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 aggttcctga taagaggtgg tactggctta aaacgtgcmc tttagccaca gttggaaact 180
 gggatggttt ggaaaaattt caggggagaa aaggccaccg ggaggctata aaccttttgt 240
 ggaagcatgc atggatcctg gtcaaaaaaa tga 273

<210> 23643
 <211> 226
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B7

 <400> 23643

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 .cgcgtcgagg tgaaggctgt tgccgaaata atcatatcac gccatttgag cacaagagga 180
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<210> 23644
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-B8

 <400> 23644

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 ctacggacaa ggacaaactc aaatcccatg aaatgctgac ccaagagttc cgagttaca 120
 tgtcctctct gaaagctgga tacccttctt ttctgggacc ctcgacactc tccagtcagg 180

aacatgtgct tgtggacaac actgtgaaga atgacggacc ttcaaaaactc cgagggttttc 240
tcaaacgatt ggtgggaaag aaggcatctg ccaaggcttc tcaggagagc a 291

<210> 23645
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-B9

<400> 23645

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tgcggtgctc attggcttct cccttttctt cttcgccgct tacgcgactt ctatcaaggt 180
tctgaatttc cagagaagat gaccagctgc ctgagctaag taagcctccg tggtttgctt 240
ttgctactgt gtggtgccaa catcaaagtc tacttgctag ctactcggcg gatgccggat 300
ggatgaagca cccgttggtc gtaggattga agttttcaca cgtagagagg atggtagata 360
attaaagggt catgtctgta tatgattact atcgcaaata taatgagcaa cagtagtgat 420
gcatttgctc tgtacgtaag a 441

<210> 23646
<211> 273
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C1

<400> 23646

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gttctcctg gtcctcttct gcatcgtgca tggtgagaag gaagagtcaa agggcatcga 120
tgcgaaagcg tccgggcctg gtgggtcctt cgacatcacc aagttgggcg ctttcggcaa 180
tggcaagaca gacagcacga aggctgtgca ggaggcatgg gcatcggcgt gcggcggcac 240
tgggaagcag acaatcctca taccgaagg tga 273

<210> 23647
<211> 484

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-C10

 <400> 23647

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 agggcgaccg aaggcggcga tgggtttcat catggacttc gcggagaatc tgatcctccg 120
 tctgatggag gacccggaca agcgcgacca ggttcggcgg gagcatgtct acaagatgaa 180
 ggagcgggtgc gagcgcaacta aggcggcggtg gagcctccct ctgcgccctt acggcttctg 240
 gaccttcgac cgcttcaact cgcagctctc ctgggatccc cagatcagcc aggcgcgccg 300
 ccgtcgggac ccctacgacg acctcatcgc ccgccactct ggctcgccgc cgtcttctg 360
 aacaccggtt ccgatctttg ccagaaggt ctacttgggc atcaataaga aactctttcc 420
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 tatt 484

<210> 23648
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-C11

 <400> 23648

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 cgggggttctc ttccggcccc ccgcctgcct cgccgctcgc gggcggcgcc ccgtcgtaca 180
 acagcgtgcc accgcccccc gatgagatcc agctcgcgaa gcagcgcgcg caggagatcg 240
 cggcgcggat ctttaacgcc gcagaggcca agcgtcctcg cgtcgacaac ggcgacgatg 300
 acagcggcgg cttcgggtgta ggcctgggca gactgggtgg cgggtggccgc atcggcggcg 360
 gaggactcgg cttctcgtcc tctgccggtg gtgggcacgg ggcttctatc ccacaattat 420
 cttctcacag cagc 434

<210> 23649

<211> 422
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-C12

 <400> 23649

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cgaggtgggc atgaccgtgg ccgcggttcgc gcaccacgag cccaacgcca tcaaggacga  180
cgacgtcctg tacaagtgca tcgacacctg ctccgaggac atcgaggagg ccgtggcgca  240
cctcagcgcc ctctcccgcg acttctccga cgccaggttc ctcgagggtca agtcctggct  300
cacctccacg ctcggcggga ccgncacctg cgaggacgcc tgcaaggacy cccccgtcag  360
cgacatcaag aacgtctgca taaccaagag cttcgagttc gagaagctgc tgcgcgtcac  420
gc                                                                    422
  
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<210> 23650
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-C2

 <400> 23650

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gaacgtggat gttaacgagt tccagaccaa cctggtaccc tacccgagga tccacttcat  180
gctttcttcg tacgtccag tcattctctgc tgagaaggcc taccacgagc agctctctgt  240
ggctgagatc accaacagtg ccttcgagcc atcttccatg atggccaaat gcgacccacg  300
ccat                                                                    304
  
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<210> 23651
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-C3

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-C5

 <400> 23654

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 cgacgctgcc gagaatagat ggggttcgtg tcttcgtcg ggcgggtgct cttegtcgcc 180
 gctttcctcc tctccgacta ccaggagttt aatgaatttg gcgctgatgg tgggccatca 240
 gctaaagccc ttcagcccaa ggtcaagggg gttgg 275

<210> 23655
 <211> 373
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-H10

<400> 23655

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 gagcacacac gtatgtggcg cgcgctcgca cttgcggtcc tctcctggc cgccgcccgc 120
 gtggcgccgc tggcctccgc cgacggcgtg aagtccgtcc ccatccccgg cgccaaggag 180
 gccgccagcg gcgccaagat gttcgacagg gaggccgacg ccggtcacga cccggtcagc 240
 ggctgcccgg ccgacccggc gcccgacgcg cgcccctaag gctacgcacc gtcgtcgttg 300
 tcgtcacagn cgtcgccgtt ccgacccgtt tccgctgaac accacgcgcc ttgtacgtgt 360
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<210> 23656
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-H11

<400> 23656

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gcgtacgacc actgcatggc gtcgctgggc gccgacccgc gcagcaagga ggccggcaac 120
aagaacatgc acgggctggc ggtgctggcc accaggatgg ccatcgacca cgccgccagc 180
accgagtcca agatcgacga cctcgcggag ctggaggcgg cgtcgtcgtc ggatccgcag 240
gcgcgcgccc gcttcaacca ctgcctggag cagtacggcg gcgccgtcga cctnctccgc 300
gacgcgctgg acaacctcaa ggccaagatc tacggcaagg ccatggagca gctgaccgcc 360
gcaatgggcg cctncgagag ctgcgaggac gcgtggaagg gcgnagagga gggatgtccc 420
gtcgnctgnc acgacaggga gta 443

<210> 23657
<211> 480
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-H12
<400> 23657

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cgtgctcctc ctctctccggc tgctcccggg gcgggcgctc tctgttctct cctctctctg 120
ctgctggtgc cagggccggg agggcgggcgt ggaggtggcg ctcatggggc tcgccgggga 180
cgggtcggcg gacaccgcca acctcagtaa tagtgaaaat ggtcggttca gttatggagt 240
tgcaagtctc cccgggaaaa gagcatcgat ggaggacttc tatgaggcaa ggatagacga 300
cgttgacgga gagaaagttg gaatgtttgg tgtgtatgat ggtcatggag gagtcagagc 360
agctgagtac gttaagcagc atcttttcag caatttaatc aaacacccaa agttcatcac 420
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<210> 23658
<211> 304
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-H2
<400> 23658

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ccgtcgtcta cttaccacca ccaccgcagg atccagatgg aaatgtagag tatectcttc 180
gacgtcctac tcgtcatctc cgtctcggtc accttagagc tggcctacac cgatgccgcc 240
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ctct 304

<210> 23659
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H3

<400> 23659

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ggtgtccagg ttctcggggccc ttctccggca ccgagcacc accagcggaa tataccatgg 180
aggtcaggcc catggtagct ctgctgccc ccctagttgg tggggtagcg gcatttgcca 240
agatcgggtg ggcgatgaaa gccgcaggcg gtgtcaagat tgggtgcagcc gctgcagccg 300
tcacggctgc aacatcagct gccatatcgg gaaaagacgc ataagaagac acttcaaagc 360
cggaaacgaa atgatatgac ccatggattg gtcgacaagt atgaaatcgc ctctccagag 420
gtgtagaaga gagaggggtgc catagtcaat aagttacagg agtaaatttt gat 473

<210> 23660
<211> 470
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H5

<400> 23660

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gtcgtgcatg gtgagaaggc aaagtcaaag gacaacgatg caaaagcgtc cgggcccggc 180
gggtccttcg acatcaccaa gttgggcgcc tccggcaatg gcaagacgga tagcacgaag 240
gctgtgcagg aggcgtgggc atcagcgtgc ggcggcaccg ggaagcagac gatcctcata 300

cccaagggcg acttactcgt cggaccactc aacttcacag gcccattgcaa gggcgacgtg 360
 accatccagg tgaatggcaa tctgctggcg accacggacc taagccagta caaggatcat 420
 ggtaattgga tcgagattct acgcgtggac aaccttgtca tcaccggcaa 470

<210> 23661
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H6

<400> 23661

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 gtatcgaaac ctgttgctgg ggtcccagct gcttggttg aacaatgatt ccatcgacgt 180
 cgcgaggtcc cctttcggaa taacagatgg gaagacatag ggtaaataca gcaaagcgaa 240
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 gcagcatgat tgttctgatt atctttttac tgattttcga tggtaggtct gttccatcaa 360
 gtatttaact aatcatttgt tgctgttgg ataggtcttt tgttctttta gccgtcgttt 420
 tgcatgaag atatgtagcc aaaattaaaa acctgtgtcg aacagttatg t 471

<210> 23662
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H7

<400> 23662

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 ccctttgtc tccaaaagtt gatgttccat catgttttgt tgggctggta ttggagaatt 300
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<210> 23663
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H8

<400> 23663

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 ggatcagacc gggctctttc gtctgtact tggctcttctt cttcctgtcc gcagccctgt 240
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 ccgcggctga ggccacgtac aagcatgacc cggtcgaggt cgccaaccaa cttaaccgtg 360
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 cgactaggaa gtctaagttc agcggggccgt gcaaggcg 458

<210> 23664
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-H9

<400> 23664

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 ataacaaatt ggacgatata tgagaacaag tttgcagcac tcttgactct agttatgatc 180
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 ggatttatgt cagggttctg tcttggtttt gtgctgctaa tgcgaccaca gtttgatat 300
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 acatatcaag tcatactttt gggtatttct acaatgatac 400

<210> 23665
 <211> 224
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A1

 <400> 23665

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 cgtttgctcc tgtctttctg tggcggtcg tggcctggct ggagctggca gtcaccgggc 180
 acggcggcaa cttctaccag gacacagaga tgacctcggg cgat 224

<210> 23666
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-018-Q1-K1-A11

 <400> 23666

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 ggagattgct gacattatgc tgaaagaagt gtttgacagg ctgaaggcca aggagattaa 180
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 gatgctggct ggtgaggtga aagaaggtga ctctgccatc gttgatgtgg attcagatgg 360
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 tacctaaccg aggtcaaaat catc 444

<210> 23667
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-018-Q1-K1-A12

<400> 23667

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gaccggcacc ctcacctca acaagctcac cgtcgacaag accctcatcg aggtgtgcgg 180

caagggcgtc gacaaggaca tgggtgctcct ctacgccgcc agggcctccc gcgtcgagaa 240

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cggcatcaag gaggtccact tctccccctt caaccgggtg gagaagcgca cgnncatcac 360

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<210> 23668

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A2

<400> 23668

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caactcagag agcatcaccg tgaaggacgt gaacatcacc gcgcccgcgg acgttgagaa 180

cacggacggc gtccacgtcg gaggtcctc caagatcagc atcctcaact cgaccatcgg 240

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cacctgcggc cccgggcagg gcacacgcgt 330

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A3

<400> 23669

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ctgcgaggca gcttttcatc t

141

<210> 23670

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A4

<400> 23670

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cagatcagtc tactagtctg tatttcatgg gtcagtacag ttcttaccac gcaatttgat 180

ctggaaaacc tgtcttcgaa ggaaatgcac gtgctttcta tggtaggctg cacctaactg 240

tagctggaca actgatacac tagctcgtg cagcctgctt caccagaac attgtctgct 300

ttgtgaccag ctagaggaga acactaatta cattatatta tcatgtgact ttgcacgaca 360

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<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G9

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gcgggagcca agaaccacca ggcgggtggcg ctgcgggtgc agagcgacat gtcggcggtc 240

tacgagtgcc ggttcgacgg gtaccaggac acgctgtaca cgcacacgag cgcgcagtac 300

taccgcgact gcgtcatcac gggcaccatc gacttcatct tcggcaacgc gcatgtggtg 360

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<212> DNA

<213> Zea mays

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ggaaccaat ggtcatgcg taaggagggg acctaagaag actctagggg tggtgattaa 360

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<210> 23673

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F6

<400> 23673

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tcgccgttcg cggagctcgt caagggcccc tccggcctcg agaaggctcgt gcttcgcggc 180

gctcgcaact gctgtgccga gatttatctt tatggaggtc aagtaacatc atggaagaat 240

gacaatgggg aagacttgct tttcctcagc agcaaggcta ttttcaaacc tccaaaagct 300

attcgtggtg gtataccaat ctgctttccc caatttgat cacatggaaa tcttgaacaa 360

catggattcg ctaggaaccg gttttggact attgacaaca atccaccttc tttaccatta 420

aaccctgcta ttaaagcctt tgttgatctg attct 455

<210> 23674

<211> 455

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-F7

<400> 23674

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ggactcagaa tttgggacag ccacgcagtt acatttttgt tttcctttcc tttctcagtt 120
acatatttgt aatccagggtg aagaggattt gtggtttagt gccagccagt ctgcggtcgt 180
cgacgatgtg ctattactga tcgtcgtcgt cgtccgagtc caactgcttg agcagcgagg 240
cgcagatggg cagcggcacg tccttgaagt agccgagcgg gttggcgggg cgcaggttgt 300
cgctgatgcc gacgttcttg gtgagcagga cgccggcgcg gtccctgtcc gcctgcacct 360
ggtcgcagtc cttgcgcggg ctctccacca agaccacctc gcagatgtcc tntctgtggc 420
tgtccttgag ctcgatcgtg tacgttgccg tcgcg 455

<210> 23675
<211> 472
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-F8

<400> 23675

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gaaaaggaaa aggggtgtcag accgtaacta agagctattt agcaataata catacatagc 120
tataccctct ttaggtcaag aggggtggagt tctccttatt cggaggaaga gtcctatcct 180
cattctacaa gaccaaacca ataaatggcc tctagccac agtcctcgcc atcatcctcc 240
aagaagtcgc cgccaccaca agaagcatca gctttggcgc caaaatcatc ttcaaagtca 300
ccctcgccac caaagggtga atcaaattca tctcccagtc ccccatcgaa atcgctccctg 360
tcaccaccgc cagcaccaaa gaaaagtgt agtacatcta gctctaaaga tgggaagacg 420
aagaagtcgt cttcatcgtc ttcacgtcgc gataatacag ncgctgtgat ca 472

<210> 23676
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F9

<400> 23676

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aggcgaggta ctaacaaggc gaccaacatc tcaaggctga cctacgtagc atcggtagtt 120
ctgaccctac tgctaacgac aggtcctaca agtgccatca tcgccgacgt gatcgcgctca 180
tctgacaatt tgatcagctg caaggtactg cgcaacttcg acaagtacta ttgccccgag 240
gccatctccc cagggaaacc cttcaactac tacacccgcg gcttctaccc gatcatcagc 300
tgtcaccgct gatcatatat ctcttgtcaa tgtgcgctca aatgtaatg 349

<210> 23677

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G1

<400> 23677

gcgcgtttcc ccagggatct ggaggcataa ctgttaagaa gaccggacag gcgctggtga 60
tcgggatctg aggacgagcc catgaccctt ggacagtga acatggtggt tgagaggctc 120
ggtgactacc tcttatagca aggcctgtga ttgaatgcat ccgaacaacg acaccaactc 180
taacattaat taattagtag tcttcatgcc ctgggattgt gcgtggacgc tactgttaca 240
ccacccatgc ttcgatcggc attttttctt ccttgtatat atcattctat tgtatcgtgt 300
tcacatataa tcttgtgatt cgattcctga gc 332

<210> 23678

<211> 187

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G11

<400> 23678

actcccactc gtcctcacag atttgaaaca aagattaaaa aaaaagaaaa aaaaaaaaaa 60
aaaaatgtaa aaattataaa ggataaaaaa attaaaaaaa aataaataaa aaataataaa 120
taaaaatata aaataactta aataaaatta aataaaacat aattttacaa ttttctttac 180

tttaaaa

187

<210> 23679
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G12

<400> 23679

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gggaagctgt gtcagcaagc aggccctcat ctgctactca cttcatgggc atgcaccaaa 120
gccttggtat tcagctggcg cagcttggga aggatgcac tgcagcagca gctgcacgta 180
gagttagtgg tcaacgaaag gcggtcgcagg ttgagtctgt tgcaactgct ggtaaacaag 240
agactcgaga agtagtgaag aagttattcc gtgctgagtt tgcgcagagg caacatcaag 300
gtttagatga ggataccgat ttgagagctt tggagaatgg atttgtatcg gtcacccctc 360
tgaatgttca tgggcaagtg gagcctgaaa tccaagcccc agcttcagaa tggctctcag 420
cagctgtatc actagagaaa gaaaaggaag 450

<210> 23680
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G2

<400> 23680

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tccaatcaac acatccaggc ttgccaacag tacacgttta cctatcaagc tgagccaatt 120
acactaacc ttactacttt aactccctaa ctttcctctc cccacacaag ctaacaaaat 180
cacctattgc tatcttgcac tctaacttat aaacattcat tcataatcct acacacatat 240
aacttcacac cactcacttt tcaaccaatc tctatgacca attctgtcaa tcaacaattc 300
ctctcactac aggttcaatt actatcgcat acacattcat caatatccta aaactaacct 360
ttctcactac tgtctaaacc catctcacat tccctattga tcaactgaaca atccaacac 419

<210> 23681

<211> 462
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-G3

<400> 23681

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tgcccgagca cccccctcac ggcgcacagt cgaaaccaa gcagctcgcg gtggccacac 120
ccggacctcg ggctcgacat ggggttcatg ctcggtcgca agccgcgtcc gggggacgag 180
aagccggacc tggcgaactg gatgcggtgc ttctgtcgc agcgtctgtc tcagcccgcc 240
gcggcgccgg aggagaccgc gaacgcggag ggtaaggccg ccgggagacg agaggaagag 300
gagggtggcg gggaatgacg ctgaccacct cgctcgtcatg gtgaacgggc tgtacgggag 360
ttctgcggat tggaagtttg cagcagagca gtttgtcaag agattggccg gaaaagtcta 420
cgtgcatcgt antcagagca attattcaca aataacatat ga 462

<210> 23682
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G4

<400> 23682

tcatcaaatt catcactctc agcttctggt ttaaagctta ggaactctac cccggcatcg 60
gtctcctcta caaagctcgc tcaaagtctc tcaacctatt ccctcgaaca ccataccctg 120
tttttctcac ccccataat acatactccc ttactagcc tgtactctta actaaaagca 180
ttcactcata atcattgcac accgctacat tagcaccact aacttcttaa taccatcact 240
ataccctttc ataatacacc gaccattct actactctaa ttaacatccc ttctcctttc 300
atcagtagtg caaaactaac ctctctcact acaatataaa cccatctcaa acaccctata 360
ttgttaccaa ccattcacca ct 382

<210> 23683
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G5

<400> 23683

ggagttctgc ttcttcagac gggtttgggt ggactagctt ccgaatggca cgtctgagtc 60
ggcctcatct tgctgggtgt tatggcagtc gccaaactttg tccacactat tgagacactg 120
ctactgaaac tgaggattaa agcacagatg aagaaagcga acagcacaca ctatcgccccg 180
catcaaaaatt gacaggcatc atcgtccttg gaaaacaagg atgctgacac cgcctctatt 240
gtaaatactt tcacccacat taacatttat tgctgctcg acattctctg tctctaattt 300
tttcgtgaat tcgacctgct acatagaagt agatattcca cacaacatgg cggatgaaac 360
catatttaat ccttcttcga tcactactgc atgagcaatg tactatatat ctactctgat 420
gaaa 424

<210> 23684

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G7

<400> 23684

cccacgcgtc cgctggccgt aaaattgatg atccagagtt gttagaagca gttcgactga 60
ctatcattaa caacatgata cagtatcatc cagtaactac tttaactttg tttttccttt 120
tgcttttata atttacaaca gcaataaatg aataaatggt gttaatttgg tgccaggagt 180
ccagcagtca attggctatg ggggcaactt ttgggccaga agcctctact gaagaggtat 240
tacctaaact atgtcagaga catcttctaa atgcttaaca tatggactga aaacttttta 300
attctctaaa gagatttatg aaaccatctt aattgggtta atctatcctg agaaattat 359

<210> 23685

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-G8

<400> 23685

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gcctcgtcaa caaagccact ggagaggctc tcaagcattc ccttggccag tcacaccctg 120
 ttcttctgac ccgccataat ccagactccc tggacgagtc tgtcctgtgg acagagagca 180
 gggacgttgg ggatgggttc cgctgcatta ggatgggtcaa caacatctac ctgaactttg 240
 atgctttaca tggagacaag gaccatgggtg gtgtgcgcgga cgggacggcc cttgtgctgt 300
 gggagtgggtg cgaggggagac aaccagecgt ggaagattgt tccttgggtga acaaggaaat 360
 gtgtgaccga gcccgcacca aggaagagct cctgccgtaa taagtgaagt gattgggtact 420
 gaagtttctg 430

<210> 23686

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F3

<400> 23686

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 ggcgcggttt cctccacgcg cagcgcacaa aaggagtccg tggctgacaa cgccgggatg 120
 ttggcaggcg gcacaaagga cgtgccggcg aacgagaacg acctccagct ccaggagctc 180
 gcgcgcttcg ccgtcaatga gcacaaccaa aaggccaatg ctcttctggg gttcgagaag 240
 cttgtgaagg ccaagacaca agttgttgct ggcacgatgt actatctcac tattgaagtg 300
 aaggatggcg tagtcaagaa gctttatgaa gctaaggctt gggagaagcc atgggagaa 360
 ttcaagcagc tgcaggaatt caagcctgtt gaagagggtg ctagc 405

<210> 23687

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D8

<400> 23687

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 agattcactt acaccgaggg cagcaccaat gtttgctca aggagcttgc atgcttctat 120
 accctccatc tactgaccca tctctctagt tataatatat ctctctttct tttattgcat 180

attatatttct atccatttct tacgtctaac tttttatcta cttacatcca acatctatat 240
tatgttctac tgtttaacat cctttatttt 270

<210> 23688
<211> 204
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D9

<400> 23688

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tcggtgtggt cgccaagcgc acccccttcg gcaagaatgc ccgcgaccac ttcacggtcc 120
cgggggaggc tttccttgcc acgttcggca agtcgggtcaa gttcctgtgc gcgcccaccc 180
tatacaagga gtcctgccag aaga 204

<210> 23689
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E1

<400> 23689

gcgattggat tcaaggatat gactagccac tgccaagccc tgacgatcgg gaaacagcag 60
aaagtgtctg cttcatgag cttgcagcaa agcgtgcaag ctgcaggggt gccaggcagc 120
cagcccaacc agacgacgga gctggacctt ttccaagacc tgcagttgcc tcaggccggg 180
gcgcagagca caaaccatt ctctgatgag agcgttcagg gatacccaca gtacatgaac 240
gggccaacg gcgacaacgc acagccaggc caggacttcc aacagcagtc tctgaagcta 300
ccggcggcga gcccgtaaga caatttcta agggcttctg gctgttagga gtccagttac 360
atggacgaca accaccttac ctcaagatag tccaacgga agatcctgca atttttccac 420
attttgcagg gaaa 434

<210> 23690
<211> 416
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-E11

<400> 23690

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ccgcgatgac gactaataag ccccttctcc tcctcgccct ggcgtccgcg ctctttggtg 120
cggcgccggc cgccgcgaac gcgcccggcg gggcgttcag caactgggtg gcgatgaacc 180
agcagagcta cgcgctgtac gcgcagaagt ccgtcgggga cgggggcaag gagccccctgg 240
acaagaagct gtcggaggcg gagaagaaga aggtcacgta cgtggtggac ccagcggca 300
agggcgacta caccaacatc accgcggcgc tggaggatat cccggtgagc aacaccaaac 360
gcgtgatcct ggacctcaag cccggcgctc aggtccgcga gaagctgntc cctgac 416

<210> 23691
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E12

<400> 23691

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gcgtgggcat cggcgtgcgg cggcactggg aagcagacaa tcctcatacc caagggcgac 120
ttccttgctg gacaactcaa cttcacaggc ccttgcaagg gcgacgtgac catccagggtg 180
gatggcaatc tgctggcgac cacggacctc agccagtaca aggaacatgg taattggatc 240
gagattctac gcgtggataa cctggtcac accggcaagg gaaaccttga cgggcagggc 300
ccagccgtgt ggagcaagaa ctctgcacc aagaagtacg actgcaagat cctttccaac 360
tcgcttgatg tggacttcgt 380

<210> 23692
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E2

<400> 23692

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 gatggggggcc tctgctctga cgaattattc acaaataatg gggagaaata aatacatacc 120
 atgtcttttg gtgccaacca agctggatgc aaatcagtag tccatggagc cgaaatccgg 180
 ctctgcggc ctgggaagca tgatgaggct gtcggcccg acggatcgct ggcgctgcac 240
 gccgcgatg gcgttcttgg caaaacgcga cagcaggagc gtggtcttga acctgctcgt 300
 ggaaaccccg gacgcgtctg ccttcatctc ctcttccgg cgcctttgct tggccgcctt 360
 tcgtttgagg taccttcttc atgcggcctt tattaagcaa gaggc 405

<210> 23693
 <211> 344
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E3

<400> 23693

cgacgagacc tctcgcagcg agtgggacga tcctctccaa cgggtggcgca gtccaagaaa 60
 tggctcatat tgcaaacggc cgggaccatg gcaactgcgt ctcccttctt cgtgtcaata 120
 gcgcaaactc caaccagagc aacatgctga tcctccagga gagctgcacg gacgcacg 180
 gtcatacgt ggtgtacgcg ccggtggatg tgggtggccat gaacgtggtg ctcaatggcg 240
 gtgacccgga ctacgtggcc ctgctgccgt caggcttcgc catcctccc gacggaccgt 300
 cggcgccggg catggctccc catcacggag gaaagggcgc tgcc 344

<210> 23694
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E4

<400> 23694

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 gtacgagcta cgtagccgtg gtccggcgag tcggggattc caggctcctt acaatgaccc 120
 actggaaaag gcaaatgcat ccattaggag cagaactctc atgaacaagc ttgttctgcc 180
 tttacttttg gttgaacttg tgataaccaa cccaaactgc caaaaaatct ggtgttgcta 240

catttgtatc aatctttacc tgagcttgtg tttttgtaag cttatgcatg tacctccaca 300
 tgtatagata tgctacctac attttctttc tgtgggcata tgatatgttg acaagggtcac 360
 agatatactc tcagtatatg atgacgcttc tatgaatcta tatgcttcaa aatcatcaaa 420
 aaggaaaagc tgcaggggga tgccaactcc acagtacaca tact 464

<210> 23695
 <211> 215
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E5

<400> 23695

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 gagtacacat acaaacacgc atcctaaaaa aaaattaaaa aataataaaa aaaaaaaaaac 120
 aaacaataaa acaaaaccac aaaaattatc tatcaagaaa aattaaaaaa cacatttaaa 180
 attaaaaaat atttaaacca acacaataaa aatat 215

<210> 23696
 <211> 467
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-E7

<400> 23696

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 tctctagatg ggagcacaaa agttatgggt tggcaactgc cgggctcatc tctagagggc 180
 agtgcaaaag tttcaggttg gaaaccacca gtcttatcac ttgaagggat tgctaattgt 240
 tcaggttcac aagcatcgtg tccttctacg caaaggggca caaaatcttc aggttggcag 300
 cgatcaagtt catccccgga tgggagcaga aaagcctcag gttggcaaca gtcaagtaca 360
 tcaccagagg ggagtggaaa agcgcattggc tggcaacgat caggatcttt taccagggg 420
 ggtacaaagg ctgcangtcg gcaacctctc cgttcctgta cagatcg 467

<210> 23697
 <211> 400
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-E8

<400> 23697

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 gaccgacgct cgggtgtttat acgtaatctg aagcttatag gaacatttga gtggatgatg 120
 gactgattgg taggcctctt gaaagtgcag ntgggtgaggg gcatcaacct tggctaccgg 180
 gacgcatgag gcagcgatgc gtatgtcgtc ctacgacttg gcaagactaa acttacgacg 240
 agcgtgaaca tgagatctgt gaaccacatc tggcgcgacg agcttactct gaccgtcaca 300
 gataccagcc tagctctgaa gctggaggtg ttctacaagg acacgttcag tacggtcgac 360
 ccgatgggtg actcatagat cgacgttgca cccttgttgg 400

<210> 23698
 <211> 324
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-E9

<400> 23698

cccacgcgtc cgcccacgcg tcctcccacg cttccgcca cgcgcccgct tcctagcacc 60
 ttgtcgtgtt ctattagggc gataattgct cttatttccc atccttaacc acacagccca 120
 cttaactatc attcatgcaa tctttcttcg tcaggtgaca tcagaggcta tctatcaatg 180
 gacctcatct atacaacgct ggctgacatg ccaaataaag gtcaaatacta taacatttgc 240
 caagccaata tcctatgtca ttacaatatc tcttctttta ttactagtgc tttacgtctt 300
 tcaactctct cattcttctt tact 324

<210> 23699
 <211> 470
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F1

<400> 23699

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tgccgatgag aaactggcca atcttgcaga agacaagaat cggcgacttt cagatgcaag 120

ccagttaaga acaggttcaa acccaatggg tgatgttgag ctaacaaatt tcgatgagaa 180

actggccaat cttgcagaag gcaagaatca gcgactttca gatgcaagcc agttaagaac 240

aggttcaaac ccaatggttg atgttgagct aacaaatttc gatgagaaac tggccaatct 300

tgcagaagac aagaatcagc gactttcaga tgcaaaccag ttaagaacag ggaggcttgg 360

tgaagaactg gtcgagaaat atttggccaa acagctaggt tccaacaatg ttaggtgggt 420

gaacaacaga atttgaaccg gactgcccta tgatatttgc ataacacacc 470

<210> 23700

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F10

<400> 23700

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cgtagacttg taaaagctgc cgactcagtt tcggtatgcc tatctaaagg gttaggcgca 120

cccatcggat cagttgttgt tgggtcagag gccttcacgc acaaggctag aattcctagg 180

aagaccctag gcggtgggat gagacaggtt ggagttcttt gtgccgctgc ttatgttgct 240

gttcgtgaca ccgtgggaaa gcttgccgat gatcacagga aggctaaagc cttggcagag 300

ggcctcacga aaattaaaca gttcacggtg gattcatctt cggtcgagac caatatggtg 360

ttcttcgata tcggggatcc acaca 385

<210> 23701

<211> 152

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-F11

<400> 23701

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cccggattgg tagggcctac ttgaaagggg ccgagtggt gagggggcag tcanagcctt 120
gcctttaccg cgacgtcaag gaggcagcg at 152

<210> 23702
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F12

<400> 23702

cccacgcgtc cggaggtggg gccggtgggc gtgctgctgc tgctgctcgt ggtggtggct 60
gtgcaggtgc ggagatcgtc gatcgatcgc tgcggttcgt cggcggcggg gtcgagatgt 120
cgatggactt cgggtgccccg gcggatgacc ccaaggcttt ccgcaacatc tgccgcgacc 180
ggatactgaa ggacctgctt aagcctgaca aggataagga gacaaaaagc tcatggaagg 240
ttcttataat ggacaaattc acggtgaaga tcatggctta tgcttgtaag atggcggaaa 300
ttaccgatgc agggatttcg cttgtagaag atctgttcaa gagaaaggag ccaatgcctt 360
caatggatgc aatctacttt cttcaggcac ttgaagaaaa tgcataatg cttctatctg 420
acatgtc 427

<210> 23703
<211> 242
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-F2

<400> 23703

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aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaagacaaaa aaaaaaacaa aaaaaaacat 180
aaaacacgcc aagcaaaaaa aaaacaaaac actaaatatt aaaaaaacac aaaccattta 240
aa 242

<210> 23704
<211> 410

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D6

<400> 23704

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 acatccaaca acaacatcgt catcaatgtc ttcaacatgc tcgaccagcc gtcctcttcc 180
 acctggcacg ggatccagca gaggaagaac tcatggcagg acggcatgct gggcaccatg 240
 tgcccaatcc agcccaaac caacttcacg taccactggc agcccaagga ccagatcggc 300
 agcttcttct attaccccag caccggcatg cagcgggcgg ctggcgccta ctggctcatc 360
 agcgtccaca gccgtgacct gatcccggtc cccttcgaca cgctgccta 410

<210> 23705
 <211> 80
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C11

<400> 23705

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 acatgggggt ctgagtttag 80

<210> 23706
 <211> 476
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23706

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 ggcttcgctg aagccgaacc cgttcgactc ggactcggac tcggagtcca gcaataagcc 180
 ggccaacaag tccggggcgt cgtcgtacca ggccccgcc gacgccaaga agcgggtacaa 240

ggacgggttc cgggactcgg gcgggctgga gaaccagtcg gtgcaggagc tggagcacta 300
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 ggacatcagg caggacgcca gcgacacgct gatcacgctg cacaagcang gggagcagat 420
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<210> 23707

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C4

<400> 23707

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 ggcgagggcg cacgtcaagg aggccgccgt gacggcgctc cccaaggcgc ggacgggtgct 120
 ggacctgtgc aacaacctgt acctggacgt ggaggacaac ctgggagcct gccgccgcgc 180
 catcggcttc aaggacgccg tcaccatccg cgccaccatg ggcatggcgg cgcaggacat 240
 gcagaactgc gacgagcagt tcaggcagat cggcgagaag aaccccatgg agcagttcga 300
 cgcgtcgctc gtcgagatgt ccgagaactg ccgctcgctc tccaacatga tctgatcgat 360
 ctctttctcc acggacgaca acagagagcc gggcgttttg ggccctcgca tcgtttgtcg 420
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<210> 23708

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C5

<400> 23708

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 gatcgttcta cctgtggaac tactacggca gctcaagccc gcagagttcg gcgacaccga 180
 tgagtaccac caatggcagt tccggcagat caagctcctg gaggccggac ttatcctgca 240
 cccctccctg cgtctcgacc gtctccactc tgacgtgctc cggatccgcg aggtcatgcg 300

<210> 23711
 <211> 471
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-C8

<400> 23711

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 acagattgat acctggttct tgggtcaatgt tgctgggacg ccttcacacc aatctgcaat 180
 tttcatcata tttggctggt ttttctgct cctgatcaga ttttgaaaga gctaaccatt 240
 gccacaatc aacttactgt cgggttcggt caggggtgctg ctagctcctc ccaaagtttc 300
 tctccaatat ctatacaatt tgtgccagtc catctaata ccccgcgccc ctagagaata 360
 ggcattgaag aaactggtag cctgttcctc aagatcatag gggggaaaaa agcacataat 420
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<210> 23712
 <211> 410
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D1

<400> 23712

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 gtgctgacga tatagaggaa ttcgactaca ctgaattaga tgaagttgtg aagtactatc 180
 cacaacttta ccatggtgtg gacaaaggtg gaaggcctat ttacatagaa ctaattggga 240
 aagttgatac ctacaaacta gtgcaaataa caactattga ccgttatata aaatatcatg 300
 tgaaagagtt tgagagatgt ctccagatga ggtttccagc ttgttctatt gctgcaaaaa 360
 ggcacataga ctcatctact gcgatattgg atgtgaaagg cgtgggccta 410

<210> 23713
 <211> 487

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D10

 <400> 23713

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 cgcgcaaggc cggcgcgctc tacgacacca tcgacgccag cggaggggtac tacgtctgcc 120
 ccgtcgacaa gtccgtgcgc tcgcacatga acgtgccctt caccctggcc aagggcccgg 180
 acttcgagaa gcagttcatc gccgaggcgg ccaaggaggg catggtgcag ctcaaggggc 240
 acaggctctgt cggcggcgctc cgcgcccttca tctacaatgc catgccgctc gccggcgctgg 300
 agaagctcgt cgccttcatg aaggacttcc aagccaggaa cccttgattg ctttgtgctt 360
 atggtcathtt ggtattgcta ctcagtcttt cttcctagca taagtgggct cgtgcaagag 420
 ctgtctcgcg ttgcgcactg ggatctaact gtagtattag taccaatacg taacggctac 480
 tgtathtt 487

<210> 23714
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-D11

 <400> 23714

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 aaaaaggaaa agagccctgg tgatccaaaa gagcagatgc aaggggagct gaacaatggt 180
 aaaaatttag atgctgatca attaaaagag gctgatgttg gttgcagtga tatgaaaaat 240
 gagaaagact atgttgatat caaacagcaa ggcaatgatg gagaggggtac gggtaaagtt 300
 gaggaacctg ttcagaagat ggggtgggat gttgaaggaa aaagtacggg tgactcctct 360
 attgaccatg caacaactgg ggataaaaag cccacataaa agaaaataat ataaa 415

<210> 23715
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D2

<400> 23715

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cgggtgggtg ctggaggagc tcatgtggac catgttctgc aacggcaaga ggggtgggcta 120
cgcggtgcgg cgggacccca ccgaggtcgg acatggacgg ccccgacggc gagatggcgt 180
acatgcgcgg gagcttcgag cacaccgtcg ggtcccggga ctcgagtcg ctctacatgg 240
tcggaccgcc cggcggcgac tgcccggagc tcgccatctt cttcgttagg ctatgaattg 300
aaccgagcga accatacgaa tcgaacaata cagtgtacac gtcgcagtcg tgggtgtctaa 360
tctctcgctt ggtctcgttc gttgttcagc agcctcagct agcgtc 406

<210> 23716

<211> 403

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-D3

<400> 23716

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gagtgtctggc tgtgaatgca ccaaaatgtg cccaccacaa caaccacat gatgggttca 120
tgaacttcat gcacagggac gaagaggtga actacttccc ttcgagggtt gatccccgcc 180
gtcacgcgga gaaggtcccc attcctcccc gtgttctaac aggctgtcgt gagaagtgca 240
tcattcagaa ggagaacaac ttcaagcang ctggcgagag atatcgatcc ttcgaccctg 300
caaggcaaga ccggttcac cagcgatggg ttgacgcact gacagaccct cgcgtgaccc 360
atgaacacca taccatttgg atctctact ggtcccagtg tga 403

<210> 23717

<211> 411

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-D4

<400> 23717

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ggagcgaggt cttttggctg cgtgtttaga aagctgcaat caaggtcaat gacactcttg 120
gatgtaacct gtccaaccac acctcagtgg gcattatatg ctggcaatgg acactaagaa 180
tatcattgta aaggattacg catgagtctg gatatcatct ccaaccaaga ccgatgtgaa 240
aataccatcg tgatgttgtc aataccagcc ataagcgtgg gtctgtctga ttgggggttac 300
tcgcattaat attgtactgt attgtattag aggttatgcg gcatactcat aatctgaata 360
agataacaaa atttggcatt gtttgcttta aaaaaaaaaa aannaatata t 411

<210> 23718
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-D5

<400> 23718

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aggagccccg cgctggcctc caggcaacgc acgcgggctg ccgcaaggcc cgccgccagc 120
ctgggagtga aagagtcaac acggccctcg tcttcagtgg gattagaaaa aatagattga 180
tttagttaat tgactcttgc tcatcttcag tggcacacgc aaagacaacc gacgaaaaat 240
gaatcgaatg tgctccacca tgttttctgt cgtgtgacca aaatggagca atatgcatag 300
ctttttttgc aaaaaaaaaa ataagttaaa acacttataa aaa 343

<210> 23719
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C1

<400> 23719

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actggtaatg ttcaaggcag atttgcccat tcaggagcca cagaaatcgc aaatgttggc 120
tttcatgaat atcagaatgg cccttcaact atttgcggg gaccagtacc ttatttccac 180
cagcatgcga tgcattggcat gcaagctctt gatcctactc aaatgcaagt tccttatcaa 240

caatgccaca gtaatggttt cttgcatggg ggtattaatt accctggaaa ccgtctccaa 300
 ttaggtccac gaaatccagt tctcttcacc aggtctgaac gtgcttttgg gcctccacag 360
 catccgttcc tggcaaatacc agttaaccac cgcaacataa ggattctacc acccgagcat 420
 gctacaataa tggatttttc gaga 444

<210> 23720
 <211> 352
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A4

<400> 23720

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 ggcaatagca catcagcgga gcgaagcaaa gcaaagcaac cagtaaaaca aaattgggta 120
 ggcaagaaga ccagcaatgt ttgagaacca aaccagccaa aatactggaa cagcaatata 180
 gtctgctcac gaccaaccaa accttcgact cataacatcc tgaacaagca cttcatctct 240
 ggctgggta tatgatattg ctattgtttt gttagaacta gcctgcagct tgttcattca 300
 aaagcccact gattctccct gctcaattta tctctatcc tcaactctga aa 352

<210> 23721
 <211> 316
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A5

<400> 23721

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 gtgtcataag aattcgtgag caaagctatc gcgtgagcat cataaaggcg gcaatctacc 120
 cgggaaacgt gctctcactt tacatgacga agccaccagg cttcaagtac aaaagcggga 180
 tgtacatgtt tgtaaaatgc ccagacgttt cgcctttcga atggcacccc ttctccatca 240
 cttcggtccc tggagatgac tactcgagcg tgcatatccg tacgctaagt gattggacat 300
 cagaactcaa gaatct 316

<210> 23722
 <211> 472
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A6

<400> 23722

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agagcgggta cctggtgctg gagcaaaccg acatcagcac agccgagtgg aacagccggc 120
ttcttgctga aaagatggtg agcttgctcc ccgccgagag gaacgccgtc tcttcagct 180
tctttctcaa gcttctcaag gcagccagcg tcttgggcgc ctctcccgcg tccaaggcag 240
agctcacgag gagggtggcg ctgcagctgg aagacgccag cgtgagcgac ctctgatac 300
cgtcgtcgtg cgcgggcgag acgctgtacg acgtggacgc cgtgacggcc atccttgaag 360
agctggcgct gcggcaagcg gcgggcgcg gggtcccga ggcaagccc cgcacgcgc 420
gcggacacag gcggtcgcgg tccgncgaga gctcggagta cgagggagcg cg 472
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<210> 23723
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A7

<400> 23723

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tgatgagagg aacacccatc agcaccaggg cggtagggcc catcatgact ttttcgatca 180
tgttgacttg aaggataggg ggctcctgga cagccttctc tgcaggaaga agcacgacta 240
ctaccaggag aagaagaagc atacggatta gctggcgacc ggcatggata aggtcacggt 300
gtccgagccc gataagcacg gtcacaaggt ggatgagcac gaagtcttct gccagaagaa 360
agagggcctt ttttccaaac ttttccttac caatttcagc tt 402
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<210> 23724
 <211> 211

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-A8

 <400> 23724

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 gcgtaatggg gtgggtgtct tcgcggtagt gttgtaagag gcagacgtgt ccaaggccat 120
 tctaggttac atcactgcaa acttgatcca gagcattgcg ctcgctcttt ccagcataaa 180
 tgcattcacc acgaaattca agaacgcgga c 211

<210> 23725
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-A9

 <400> 23725

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 gccgccgtct ccacacccaa ggttgcmc gagggcactc caatctccgt tgaggttgcm 180
 gctgatgaac aggtagctga gaagggtggtg gtggaggagc cggctgcmc ggccgacgtt 240
 gagcatcaga aggctaata ggtgctcgt ccagaggcmc cgtcgccga gcccgaccac 300
 aaggaggagg aagccgtgga gaagaccgct gtcgaggagg agaagccagc ggcagcagcc 360
 catgcagagg aaaaggctgc caccgncgct gagaccacga cgacg 405

<210> 23726
 <211> 341
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B1

 <400> 23726

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 gctcgccaac actggaatct cctattcgag ttccagcatc tctctctggg tcccgtggtg 120

gttcagggttc ctctgaggag actgtacagt tcatgatggt ttattcactt ctgtcggagt 180
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 acatgcaaca tatgcacggg cggtcgaccc tcaagctgtc atcggactcg tcatcatcag 300
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<210> 23727

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B11

<400> 23727

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 ccgccatgcc aggcacgttg aactacgacg cgattgtcgc cgacgagcca aacggaaaaga 180
 acaaggacct gtaccgtccc gtcgccaacg ccaataaata caccgcggg tgcgagccca 240
 tagaacgctg caggggcgcg cgctgatcac caagcatata catatagcac atcgatttct 300
 tattattgca tgcacgttta tataagtgtc cattgtcttg ctgttgtaag tgccagcaca 360
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<210> 23728

<211> 340

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B12

<400> 23728

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 tcttaccctt tgtgtttctc tgtctgtctg gcaatctatc gatctccatg acgacttccc 180
 cgccgcgcac acacctgtc gccatggcac tagcgctggc attcacctgc atgctgctcg 240
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<210> 23729
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-017-Q1-K1-B4

<400> 23729

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 cttcttcgtg gcgtgtgtgg ccgccaccgt cgcgctcgcg tcgtccatgt gctcggcatg 180
 cggtcgcaag ccgaaggcgg ccacccgtgc agaccggcc gcttcggacc agtccgncgg 240
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 ggaagaggaa gtggtgagac tgtcaccgga gctggcgacg cacggcgcca tcgaccgggt 360
 gacgctgtcg tcgtcgacat cgaagcggcg cctgtccatc agcgtgagcc agaagctgag 420
 catgaaca 428

<210> 23730
 <211> 290
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B5

<400> 23730

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 gatagaaaac ctgtgctcag atgtcatgtg ctacgcctgt catatggctg tcatgcggat 180
 agagaaccag ctacgcgaaa tacaagacca aggagctcat acttcaatac ctaactagct 240
 atgtgagcgt ctgccgagcc cctacagata gtcaacaact agctatcatg 290

<210> 23731
 <211> 474
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-017-Q1-K1-B6

<400> 23731

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ctggtggcgg cgacggcgtc ggtgcccacg gccaccgcgt acggctgcta cgacgactgc 180

tacgagcggg gcgccaacgg caagaaggac gaccccgctt gcaccaagat gtgcaaccag 240

gcgtgcggca gcaccgacaa gggcgccgtc gccggcgcg cggcttgatc gacccgggct 300

tcatcggcgc gcgggctcag ctcgatatca gcatcatata caatcgctgc tccgtcgctc 360

acgtcagccc atgcatgac tctcgaccg gccattgaa tcttctcctt ctactatagt 420

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<210> 23732

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B7

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ggttgctcgc gccaacgcca atgtcgtcgt ccgatggcgg ccagtcgcgc aagaggctcg 120

tggtcggcgt cctctctgtg tgcttgcctg tcgccatggt tatcgggacg gtcattgtct 180

tcgtgagcga gaaggccggc tacgactcgg agctgaggaa gcgcatcatg agcaagacga 240

tgcgacgcgt ggaactcttc tgcgcgcccg cggactacca aggcacgtgc cacgagacgc 300

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<210> 23733

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-B8

<400> 23733

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agttcttcca cctcaacatc ttcgagtgc agaactgtct gatcgacata gtgacgggtca 180
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ccatcagcag caccaccatc ggcgtcggcg acgactgcat ctacatcggc cccgggagca 300
agatgatccg catccatggc gtcaagtgcg gccagggcca cggcatcagc gtcggcagcc 360
tggggcgcta caaggacgag aaggacgtgg aagacgtgca tgtgacggag tgcacgatcg 420
gcggcaccac gaacgggtctg ggcacaaagt cgtacg 456

<210> 23734
<211> 451
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-017-Q1-K1-B9
<400> 23734

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tgcggtgcc aatgcagctg ttccggtctc tcaagctaac ctgacgactg cctgtactag 120
taacacattc ttgagccagc caaagccaag tgatactccg tcaactgcctc cgaagggagg 180
tcctccatca gaggaggacg gtttggaaact gactgttgcc ccaccctccc aacagaacat 240
gacgaacatg tcttcccaga atgcggtagg cgtgatccaa gtcacctaag ctaatatatt 300
ttattttatt ttatttctct ctctctctct ctttctctct agaagttact gtggctgttg 360
acagttattg accgaataaa tattaacatt gtattagcaa tactacatga ataagaagag 420
catgaggtat aaacccatca tttgccaaaa a 451

<210> 23735
<211> 429
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-017-Q1-K1-A12
<400> 23735

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gggcttgatg tgggtgcccc gttcctcgct gggcagtgcc gagcgtacac cgagaaggtc 120

acgctctcgc cgggtcaagtc tggaggacga gctgctcaga atgcgtcgtc ggcattgaga 180
gaagtcattg gctcctacac aaatgcaatc cgccgtcgtc tacgtctcga ccaacggtag 240
gaacaatgcc ctgccgtgcg ccgcatctgc cactccgatg tgtgcgaacc cctgtctccg 300
gccggcgtcg cgctgcctag gcgcatgccc cagccattac cacgaagacg cctgcctca 360
cttttgctg catgccgnca tgcattgtact caatgaagaa gaaatatcat gcgtcttcgt 420
gggattgga 429

<210> 23736
<211> 308
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G3

<400> 23736

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gcggaacgac ccaaggcgaa ggaggtctcc acggagggcg tcgggcagct gttgctcact 120
gaggcacagt gggaggcgcg gcgtcgggaa cggaacaagc agcgcaagcc ccgtgacggt 180
gacaagaggc gcggcaatgg cgatcgggc aacaacggag acgatgagca cagcgacggc 240
gacgacgatg cgagcagcat ggccctcggt tcaagccgga gaggctggag ccgcaacagg 300
gccagtgc 308

<210> 23737
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G4

<400> 23737

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cgatggcaag acagacagca cgaaggctgt gcaggaggca tgggcatcgg cgtgcccggg 120
cactgggaag cagacaatcc tcatacccaa gggcgacttc cttgtcggac aactcaactt 180
tacaggccct tgcaaggcg acatgaccat ccagggtgat ggcaatctgc tggcgaccac 240
ggacctaaag cagtacaagg accatggtaa ttggatcgag attctacgag tggataacct 300

ggatcatcacc ggcaagggaa accttgacgg gcaaggccca gtcgtgtgga acaagaactt 360
ctgcaccaag 370

<210> 23738
<211> 470
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-G5

<400> 23738

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gggacggcat cgcgacggcc accatcatgg tgcttggtga cacctgcacg cgcgggtgtc 180
gattctgcgc tgtgaagacc agcaacaaac cgccgcccgc tgatcccctg gagcctctga 240
acacggcttt ggctgttgca agctgggggt atgatctcta gtaatcctgc ctggctgac 300
atctgctgat tgtgaactgt taggtttctca gaactcgtga ttgatcgatg caattgtaaa 360
tntgtaattg gtgttaggcc ctgggttgtt ccatagtgtt aagtttagca caacactttt 420
ttagtaaagt tcatatatgg aaccaaacad tcatactaaa agggcagtgc 470

<210> 23739
<211> 272
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G6

<400> 23739

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gtaacctttt gcttttgggg ggcgagtgtt agaacggacg tggacgatcc gtcaaccaat 120
gggacggcat cagcactgcc accatcatgg tgcttaatga caccatgacg ctcttgtatc 180
gattctgcgc tgtgaagacc agcaacaaac cgctgtctta ctgattcttt ggaacctatg 240
aacactgctt tggctgttgc aagctttggg ta 272

<210> 23740
<211> 403

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-G7

 <400> 23740

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 cctcgtcctc caccgcctcg tgggtccgtgc tggcggcaag gggaacgccg ccgcgcggcg 180
 gctgctcctt agccctcccg ccgtcccgtt cctcgggcac ctgcacctgc tagcatcgga 240
 gtgccctctc cactcgctgc tggcccgact cgcggcgcg caccggccccg tgctctcgct 300
 gcgcctgggc tcccggggccg tcattggtgt gtccgcgtcg gaatgcgccg aggcgtgctt 360
 caccggagcac gacttggcgt tcgccaaccg tcccagactg acc 403

<210> 23741
 <211> 199
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-H1

 <400> 23741

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 agggttgagc tgtgcctttt ttttgttttg aaaaagctgc tgtgagttat gtgttataca 180
 atagctgttg tgagttgtg 199

<210> 23742
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-H10

 <400> 23742

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 cgccgacgtc gacgtcggga cggagctccg gctcggcctg ccgggaggag gcgccgcggc 120
 ggccaataag gacaccatcg acctcaagct gaagctgtcc accggcggca tggatgaggg 180

ggctgccgcc gccaggccgg agccggcagc cgagaatgcc aagaggccag ccgaggcgcc 240
 ggccgccgat gccgagaagc cacctgcacg caaggcacag gccgtgggct ggacacgagt 300
 tcggtcgtac cgcaggaacg ccatgacgac cggccagggc ccggaggagc atgaacgaag 360
 aggaacctga tgagcagcaa cagctcgttt gacgcaacgc cttcgtgaag tcagcatgga 420
 cg 422

<210> 23743
 <211> 291
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H11

<400> 23743
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 atgcgggctt gtcactcat acctgccttc gtcctctctgc ttaacctaaa cggacgaact 120
 tctatcaagc tccaacctgt actggtactg ccgctacctc aaccagctac cgtactcgct 180
 ctactaccgc atcttctacc gcgcagctca tacactttac attatctaga ttgtcttcgc 240
 actcacctag cttcacgcca ttgtcctcga ttaccgggca cataatgact t 291

<210> 23744
 <211> 402
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-H12

<400> 23744
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 gagaggcatc agcagccgca ggaggagcag gaggagcagc agccaccgga gctggaggag 120
 gaggagcagc agcagccgca tcagtcacag cttccatggt tctgcagag gcagcgcccc 180
 cccgttcttc ttccatgggt ccggcccat ccacggccgc gtcgaccgtt ccggaacat 240
 ccggtggccg acctgggttaa cggatttttc cgtgggttttc actgaaggcg agcactatgc 300
 tcgggacgta gacctncaaa atatgcaatg ctactacagt ggtaatggac gtaaaccggt 360

gtatccatga gcttaattaa catgaacaat cctgctttgc tt

402

<210> 23745

<211> 381

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H2

<400> 23745

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ttgctacagg gtacggtcac tgaaaaggac gatgagctac tacagccagc agccctcagt 120

cggcgtagcg ccgcagcaag gctacccggg gaaggacggc taccgcagc cggggtagcc 180

gccggccggc tccccccgc cgacgcaggc ctacccgccg cagggctacc cgcagcaggc 240

ttaccacag cagggctacc cgccgcagta cgcgcagccg ccttcacagc agcagcagag 300

cagcgggcct tacttcatgg aaggatgctt ggctgccctc tgctgctgct tgctactgga 360

cccctgcttc tgactgaacc a 381

<210> 23746

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H4

<400> 23746

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gccccagcga cgcaggcagg cgcgcgcgcg gccatgaagg ggggcggtgc catgaggccg 120

tcgcctatgt tctacgtcca cgaggcggac gtcgtccaga tccaccactt cctcgaggag 180

tgctccctct gcgcxaaatc gctctccggc gacatcttca tgtacagggg tgacacgccg 240

ttctgcagcg aggagtgcag ggagcagcag atcgaggtgg acagggcgaa gcaccggcgg 300

aagaagcgcg cggcggcgca cgcgctgtcc gcacgcagca gggagcaccg gcaccagcag 360

cagctgcagc agcaccacca ccagcagcag caa 393

<210> 23747

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H5

<400> 23747

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cgccaccttc ccgaaaaagc ttaccctttg tgtttgtgtg tctgtctggc aatcgatcga 120

tctccatgac gacgtccccg ccgcgcgcac gcctgctcgc catggcgctg gcgctggcat 180

tcgcctgcgt gctgctcgtc aggtccgcgg acgccgccac gcccgggcggc tccgcgtacg 240

ggtgcaacct ggccacggac aggacgtgca ggcccgatgg cgtcgggtgtg gtgctgcccc 300

a 301

<210> 23748

<211> 89

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H7

<400> 23748

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tgtgcgagat cgagggccac cacctctcg 89

<210> 23749

<211> 101

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-H8

<400> 23749

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gcgtagctta gctagctgcc cctgctccag accaggtgcg g 101

<210> 23750

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A1

<400> 23750

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gctcatacag cccgccttca ttcacgggga tggctgatga ggtgaggcct gctaccgatc 120

tcttttcgcg cactaatccc atctatctac cctccaatgg cctctactt ctatagcgac 180

gaaatcccat gctcgagcct ttcacgcgtg gtatccatga gcctcaaata gaatgccgac 240

cagcctttgt actggcttgc gacctccatt actgcggtc ctggacctga ctatagctag 300

cgttcatatc cgtacgctag gctagagaac atcagatctg aagattctgg gagtgaacga 360

ttgtg 365

<210> 23751

<211> 354

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-A10

<400> 23751

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atcgggggga aggtcctgca ggccggctgg ccggtcgtcg atcgaggaaac caagctgctg 120

ctgctgctac cggacgacac caaccatgat acggaggacg acggtgtgcc taggcctgct 180

gcttctacta ctggcggtgt cgactgacgac ggcacatttc tcgatcggcg acgtggacga 240

gtacttgaac aggcgcacgc aggagtcctc ccacaagaac cacggcggtcg cgcagatcaa 300

tgacctcatc tccagtgtg cgcgcttnca cgccaacgtg gatgcacgcg cgta 354

<210> 23752

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A11

<400> 23752

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ggctccctcc acgtcgatgg ctacgccttc ttcggcgctc ggatgggccc cggaagtgg 120

tcgccggagg tgaggaagac gtacaacctg ctggacacgg tgagccggca cagatccag 180

gtgtacccgc gggttatggac ggcaatcatg ctgacgttcg acaacgcggg catgtggagc 240
 gtgcattcca acatctggga gcggtactac ctcggggagc agttctacat cagcgtcgtc 300
 tcgccggcgc gatcactgcg cgacgagtac aacatgcccc acaacgccct ccgctgcggc 360
 aaggtcgtgg ggc 373

<210> 23753
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G2

<400> 23753

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 agcgcacaa gctcaccacc acccgcaaga acaacgccaa gaagcgcctc aagcggctct 180
 ggcagaatga ggcggttata agagcttgtg gtgcatcagc gtctaacgcg gcttccacag 240
 ctgagaaaca acagtagctt ggagcacaac tggagcagag ttggtcctgt gacctaccta 300
 tgcttgctt gactttgctg tccaccccca gtgttttgat tttgctgtcc tcggattgaa 360
 tactttctcc atccagagga caacatcatt 390

<210> 23754
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E8

<400> 23754

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 ttcctttttt acttactctt atttactaac atattaattt ttttttaatg tcccttaatt 180
 taaattcctt gcccttattt ttataacttt ttttctggaa aatccttggt tttccccttt 240
 ttattttcct tgaaacattt tcacttttcg ctttttggtat tatttgctaa gagtttttga 300
 ccattggctt ttgccatcat ttgccattt ttattgggta tttgtacgcg ctatttatag 360

tttttttaat ccctttgggt ttgcttttta ccctatttt taccttttct tttgttagtt 420
ccttatctcc ttctcttttt atttcttccc 450

<210> 23755
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E9

<400> 23755

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caaccctcaa ctcttctcta caacatacat ctacacacta actttttcca aatacatccc 120
ttcattctta ctacat 136

<210> 23756
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F1

<400> 23756

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tgtcggacaa ctcaacttca caggcccttg caagggcgac gtgaccatcc aggtggatgg 120
caatctgctg gcgaccacgg acctaagcca gtacaaggac catggtaatt ggatcgagat 180
tctacgtgtg gataacctgg tcatcaccgg caagggaaac cttgacgggc agggcccagc 240
cgtgtggagc aagaactcct gcaccaagaa gtacgactgc aagatccttc ccaactcgct 300
ggtgatggac ttctgtgaaca acggggaggt gtccggggtc acccctgtta acttcaaagt 360
ctttcacatt aacctgtacc ggtgccagga catgcttatc a 401

<210> 23757
<211> 418
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-F10

<400> 23757

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cgccagtgca tgccctggaa cggacggacg gaatggcagc gtcgccggac cacctcttcg 180

gcctgcgcaa cagcttctac gtcggcgcat accacgccgt catcaccagc agccagtccc 240

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cctacatcgc catcggtctc taccagctgc atcggcgaga tcggggcccag cgcgggccacg 360

ccgctccagg ccgtcaagct gctcgccgtg tacctctncc gcgacggcgg gaacaggg 418

<210> 23758

<211> 68

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F11

<400> 23758

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gattagat 68

<210> 23759

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F12

<400> 23759

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cctcgcgtat gccaaagagaa aggacttcat ctcccagcac aaactcccca tcgatgagct 120

gccgatcatc tccttccaca ccgaagccag caccgcgccc acagcgctcg cgtcgtgac 180

ccgtgtcgcc caagccgagc tcctcccatg gctaccctg ccacggttct tcctgtctgc 240

atccgagttt gtcgagtcaa tgctcgctc tctgaaggtc cccgtgggtg cgctgtgtc 300

tgcagccatg gcggtgacag cctccacct gcctgcgcta tggggagagg agcgacgggc 360

tggtgacacg gcgcgacgcc gaggtgcctg ggtcagtggt agttagaccc g 411

<210> 23760
 <211> 468
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-F2

 <400> 23760

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 gctcaagcga cgctcggga acggggaggt gatcccctac gcagacctgc tgcgcgcgtg 180
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 agagctcaag cagctccaag tgcagttgga agacatcaac cagcttgac acaagcaagt 420
 ccggcgcac cctctggtctg gtctgggttt cttgatcacc caagtggg 468

<210> 23761
 <211> 470
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-F3

 <400> 23761

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 cgtggcgcgtg gccgcggagg cgccggctcc gtctcccacc agcggctcct ccgcggtcgc 180
 acccgccatc gtcggggccg ccgtggcctc cttcttcgcg tactacattc actgagccgc 240
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 tgcgctgctc tgctgctccc gcgcattccc gatgcgtggg cgtgctctga ttgggcacgg 360
 cgggtggcagt ggcacacctt tgtcttcctt ttggttggtt ttttttcctt cctctttcta 420
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<210> 23762

<211> 432
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-F4

<400> 23762

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ggaagatccg gtcggtgcac gcggcggtcg cagcgccgat acgggagtcc aacctgatca 180
ccgctgcttg cgacaagtgg atgagcggcc aggttgatag gaagatgccg taccaagaga 240
ggcatgtcgc gcagcaggcg tccattgttg gaaacatgga ggcatttggc ttgctgcaaa 300
aaggctagcc atgaggtggt tgatggngag aatgcngcgg tgagtgtctca ggcagtgtg 360
gagtttgag ctggaagagg gtacttgact cangttgctg tggactgtta tggggataga 420
aatgtcttct tg 432

<210> 23763
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F5

<400> 23763

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aagctcgttt attttgagtg tgactgagtt tgacagggtg aaagtcggat cttctcgacc 120
aaaagggtgca taaccatctg gctttcttca ttgctctaca agattaatga agaaacacat 180
gcagaggggaa caaaacccca aacttggggg tgtgggacat gagaaacatc atagctgcat 240
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cacttattca taggctgctg tgtgggcact tagttttaca aaatctgctg aaatctaatt 360
ggagaactct acatgtctca cgtactagct tagacactga atatattagt ccttaaattgc 420
gtctttttac attttattta tgc 443

<210> 23764
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<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-F6

 <400> 23764

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 aaaagggtgca taaccatctg gcttttcttca ttgctctaca agattaatga acaaacacat 180
 gcatatggaa caaaacccca aacttggagg tgtgggacat gataaacatc atagctgcat 240
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 cacttattca taggctgctg tgtgggcact taattttaca aaatcttctg aaatctaatt 360
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<210> 23765
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 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 23765

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 tagccgtggt ccggcgagtc ggggattcca ggtccttgac aatgaccac tggaaaaggc 180
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 tctttacctg agcttggtgt tttgtaagct tatgcatgta cctncacatg tatagatatg 360
 ctacctacat tttctttctg tgggcatatg atatgttgac aagggtcacag atatactctc 420
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<210> 23766
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 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-F8

<400> 23766

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aagcccccttg ttttccagggt tggccatctt gaggaacggt accaggaatg ggttcaccaa 180

ccgatcgta gcaaggaggg tccacgcttt ttcggaaatg atgtcctgga gttcttgact 240

cgcacgaagt ggtgggctgt gccaaactata tggctgcctg ttgtctgctg cctgctcgtg 300

aaatctattc tgatgggtca tactgttcag gacgtagcta tgatggctct gtttgggata 360

tttatttga cgctgatcga atacactttg caccgcttcc tgttccacat cgagaccaag 420

acctactggt ggaaca 436

<210> 23767

<211> 376

<212> DNA

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<400> 23767

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gccgtgcgca catgaccatg acacggacga tgtgcctaga cctgctcctt ctactactgg 180

cggacgcgtc tacagccacg gtgcatttga ctattcaccg atgtggatga ctacctctcc 240

aagcgcacgc agtactaccg ccacaagaac aacgatctcg cggccatata tgaccttaac 300

tccaaagcgc aacgcttcca catccactga catgcacgct cctatggccc tatatacgac 360

ctgcatgacg aggcaa 376

<210> 23768

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G1

<400> 23768

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gatggagatg atcaagagga tctcctcga cgcgctcctc gtagtcgacg tgtcggccac 180

cgcagtgttt gcctgcaccg aggacgacgt cgacagcgcc gcagccggat ccgagtaatc 240

ctcgtacaac agatttagcc gttg 264

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<211> 52

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-G12

<400> 23769

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<210> 23770

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 23770

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aagggcatcg atgcgaaagc gtccaggcct ggtgggtcct tcgacatcac caagttgggc 180

gcctccggca atggcaagac agacagcacg aaggctgtgc aggaggcatg ggcacggcgc 240

tgcggcggca ctgggaagca gacaatcttc ataccaagg gtgacttcct tgtcggacaa 300

ctcaacttca caggcccttg caagggcgac gtgaccatcc aggtggatgg caatctgctg 360

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gataacctgg tcatcaccgg caaggga 448

<210> 23771

<211> 253

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D11

 <400> 23771

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 gaaggacctt ccaagtagca tgaagcgcg acaccttgct tttgccttct tttgattctc 180
 tttctctttt ggctcaatca tggttatatga gaaataaaat aaatattgga ctcaaataag 240
 aaaccggtga ttc 253

<210> 23772
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D12

 <400> 23772

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 gaagccgcg agctgaatgg cctcaccaac ctgcagccac cccacggatg ccacgaccac 180
 aacttctct actacctcaa gctcaccacc aagaccttcg aggagatcac caaccactac 240
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 taatacaaaa atgcactcat tatgccagat attcatattt 340

<210> 23773
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-D2

 <400> 23773

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 tttctcgtc gtcgcagcct gcaaattggg agtttcttgg ttcttatcag tggagctggc 180

tttggaaattt gcaggcaccg ttctgagctg cgctggtgct cctggaaagg tgttggtgcc 240
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 agaactacag gttcgattgt ccccttctgt gccttcattg tacaaatggt ccaaattgtct 360
 gatgaaatta aattgggttt ca 382

<210> 23774
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-D3

<400> 23774

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 gaagaagacg aggacgaaga agaattgagcg tgctggctga aggagattag gcgttccgaa 180
 tcgaccgagc cagccagcca gccagccagc ccccttcagg ggaggcctcc agcagctccc 240
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 gtagatgtca tgttcgtata aatagaatga aacactagcc gtgtcaaggg atttgcttga 360
 taaaaaaaaag gttacgctgg tcaaagcgtt ctcaattaat taggttacct tggcattaat 420
 aaagtatttg cagtgtgttt gg 442

<210> 23775
 <211> 371
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23775

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gtccctgccg cggagcgcca gcgagctacc cgacccgtcg tcaccgttca gtcccaacac 300
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 gtcggcacat g 371

<210> 23776
 <211> 490
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23776

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 gtgcaagtac cccgccgggc agaagattgt gttccacatc gagaagggct gcaaccccaa 180
 ctacctggcc gtgcttgtga agtttgtggc ggacgacggt gacatcgtgc tgatggaaat 240
 ccaggacaag ttgtcggtcg agtggaagcc catgaagctc tcttggggcg ccatctggag 300
 gatggacact gccaaggcgc tcaagggccc cttctccatc cgctcacca gcgagtccgg 360
 caagaaggtc atcgccaaag acgtcatccc gccgaactgg agaccgatg ccgtctacac 420
 ttccaacgtc caattctact agactttgaa ttcccttcga ttcacccggc gcggtgggct 480
 atggacctgc 490

<210> 23777
 <211> 471
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-D7

<400> 23777

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cggagatgcc ttacggcgag tccggcgagg ctgcgccgtc cttgatccca taccagattt 360
 tgagctggca gcctcgtgct ttgtactttc cacaatttgc gacatcagaa cagtgtgaaa 420
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<210> 23778
 <211> 54
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-D9

<400> 23778

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<210> 23779
 <211> 367
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23779

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<210> 23780
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E10

<400> 23780

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 gtcagctgag gcggcatcgg gggacgtgga gatgggttttc ctcaaggccg cgggtggccaa 240
 aggcgagtg tgcttggaag gcagcccacc ggtgtaccat ttctctcccg gctccggttc 300
 tggcgccaat aactgggtcg tccacatgga gaggaggggtg gtgcaggaat cctgatgagt 360
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<210> 23781
 <211> 331
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E11
 <400> 23781

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 gtctaccttt ccatgccgga ctccgactac tacttctca agttgccacg taatctctat 240
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<210> 23782
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-E12
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aagcattgca aggagggcac tgagagctct attttctggt cttctattgg tggaaagcac 240
agttatacaa atagaaatgc tgcacctgat gttgttatta gagagcctca tttgtataacc 300
ttctctctga agaatgggaa gctggaagta tgaaattttc aatctttcac aagatgatct 360
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<210> 23783
<211> 350
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 23783

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ccgtggccag cagagccttg tgacatgggc tacaccgagg cttagtgaag acaaggtag 300
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<210> 23784
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<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E3

<400> 23784

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cgacgaatgc ttgaggagtt tcgccaggca actgcagaat tggaaggatc aaatgaagt 300
acatcaatat ttgacagtga cttagagtta ttagggatca acaatttcac gtaaaga 357

<210> 23785
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E4

<400> 23785

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<210> 23786
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 <212> DNA
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<223> Clone ID: LIB3066-016-Q1-K1-E5

<400> 23786

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 cgagaaaaaa cgaaacggga gaaaaaatga catggcttcg cgcattccga tgcgtgggca 420
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 <213> Zea mays

<223> unsure at all n locations
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<400> 23787

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<210> 23788
 <211> 371
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B2

<400> 23788

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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B3

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<210> 23790
 <211> 186
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B4

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 atttattact cactatattc tatccgtata aactttatac agtttctctt ttcaataatc 180
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<210> 23791
 <211> 372
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<210> 23792
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-B6
 <400> 23792

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<210> 23793
 <211> 226
 <212> DNA
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 <400> 23793

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 tgtccctccc gaagccagac tatagctgga ttcttatcaa ggttccacat gatcaggcgc 120
 ctttcttccct caagagttag agccacatat atgctggaca gaatgagtgg tcggaattgg 180
 cctgggggaca gatactcatc atatggataa gtgtctctca tatata 226

<210> 23794
 <211> 443
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-B9

<400> 23794

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 agcgtggaac ggctgggccc ctccgatcgc cggagatgct gccctacgcg acggcggcgg 180
 aggcgggaggc ggcgcttggc cggcccatga cgcccgccga ggcgctgtgg ttccgggtaca 240
 ccgcgggggt gtccgactac cacctctact gctgcaacat cctcttcctc ttcgtcgtct 300
 tcacggtggc cccgcttccc atcgcgctcc tcgagtcggg ccccggccgc ggtctcgccg 360
 tacanactgc agccgcgggt ggggctctcc agggccgagt tcgtccgggtg ctacaaggac 420
 gtncctncga tcttcttctc cgt 443

<210> 23795
 <211> 179
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C1

<400> 23795

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 tcctgattcg gtgtctaact ttcgagcgtg cgctgttttt ctgtagacac tgatctagtg 120
 aatattgtga ctcaccgcct tctatccaca ggatcttttt acaaattctc ttttcaata 179

<210> 23796
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C11

<400> 23796

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 cgcagctgca ctgctccacc tttgcgtcgc gctacgtgcg caccgcgctg ccgaggttca 180

agatcccgga gcagtcgata cccaaggagg cggcgtacca gatcatcaac gacgagctga 240
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 agtgcgacaa gtcctccag tctccatca acatgaatac gtctacatgg atgagtaccc 360
 cgtcactacc gagctccaga accggtgcgt gaacatgata gcgcacctgt tcaacgcccc 420
 gatcg 425

<210> 23797
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C12

<400> 23797

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 accctagccg ccgcccattg atatcgccgg agaccggcgc cggtagcgat acgcaaaaagg 180
 agtgggtacgt tctttgacct tgtttattgc tgcgcccag gcgtgtggcg cggggggagc 240
 aggaaggaga ggggaagaac agaaggggaa ggcgggcgga gccgcgatgt cgggtgcggat 300
 caaggcggtt gtagaccggt tcgtgaagga gtcatagggc gctggacgcg gacatccaag 360
 accgtgtcat gaaggagcgc gagatgcaga gctacatcga ggagcgcgag cgcgaggtcg 420
 ccgagcgg 428

<210> 23798
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C3

<400> 23798

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 gatctgcatg aagactccgt ccccgacct gtgcaccagg acggcggcga agcacgcaa 180
 caagtacaag gtgggtggacg cggtgacggt gctagagatg catgtggacg cgttcaagaa 240

gcgcgtagaag gcggcgcgga ggctcgccaa ggaggaggtc aagacggccg cgacgcccga 300
 ggcgcgagg gcgctgaacc tctgcaagac ctactacctg ga 342

<210> 23799
 <211> 462
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 23799

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 tggccgtcaa cgacgtcgtc ttcaagaaca tccacggcac cttcaacacg ccggaggcca 180
 tcacgtcaa ctgcgccaac aacctgccat gccagggcgt gcagctcgtc aacgtcgaca 240
 tcaagtacaa tggatccggc aacaagacca tggccgtctg caagaacgcc atcggcaagt 300
 ccatcggtt gaaaagagc tcgctgcat ctgaaccaat ngactaacat gcatatnata 360
 tatatataat cactcttcgt aacctctctc tttctcacgt actctcaagt ctccaccgaa 420
 tatataatcc gggtgtttgg attttcttctc ttctttggat ca 462

<210> 23800
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C5

<400> 23800

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 gggttatattc atacgctcgt caggatcaag gcgccgtatc ctgcgtgtcc gcgctcatat 120
 ggatcaagat atcatcacc acaacttgta tcacgtcatg aattaattaa ggccacatgc 180
 atacatgcat catgcatgca tgcttaattc acattccatt attaagcttt tacaatgcat 240
 gcatgcatat attaattaat tatcatcaat tatcatgtac atacgagacc tacttactac 300

<210> 23801
 <211> 74

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C6

<400> 23801

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 ggtctagatc gcga 74

<210> 23802
 <211> 463
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-016-Q1-K1-C7

<400> 23802

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 caacctattc gaaatcatcg ctaagcgcct gcgcatggag ggtttcatgg tcttcgacta 180
 ctacagccag taccacaagt tcgagcaaga gatggtcggg tacctcaagg cggggaagat 240
 agcctacgtc gaggacattg ctgaggggct agagaaggcg ccggaggcac tcatcgggct 300
 cttcaccggg cgcaacgtct gcaagcaact ggtcgacatt gcgcgggaat gaatgctggg 360
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 acgtgttagg aattgatggg ttgcagtgc tgcaggctta tgc 463

<210> 23803
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-C8

<400> 23803

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 tccggtgtcc ttcgacaact ttagccatat tgccatcata tgtgggaaca aatatatcac 180

tttccagtga taccaagtaa tccagtgcag ccatttgcga cgaatgggtc tgaaagaaca 240
 tgagatcaga aggttccaga agcgtctcct ttctcaccac gttagggttaa gccaaaggtaa 300
 gagaagccat tctgcgtttt ccacatata tcttcccagc tgcaatgtaa atttgcatac 360
 ttttgtcgat attc 374

<210> 23804
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-C9
 <400> 23804

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 cgaaatccat ttttctacag cagtattaag catgggatgt gctctaggat tggcttatcc 180
 acatactaag ttggaccaca attaataaaa actacatcat tgtgctcgat aggaaatatt 240
 gtgcttttct ttttacatat agatcatgtc tataggcttc agaaaacttc atcaaagtta 300
 ctcttgtttc acctacatgg aaacatggga tgtgattgta tcggagtggg attattacaa 360
 ggtacatata gtactagctt gaggaactga agatgtttta catgtgatgt acatcggact 420
 tgagagctat gaatcaacaa catacgtttt aaac 454

<210> 23805
 <211> 214
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-D1
 <400> 23805

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 tcatccctgc tttccaacat ccatttccgt cgggttatta ttacctccgg aatcatctac 120
 aatcacaatc tccatcatcc atacattata cacaccctat tctaatacat cctaactctc 180
 ctccacatac aactctttca tcacactcac acta 214

<210> 23806

<211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-B12

 <400> 23806

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 atgaaagtaa aggatatatt ttaacctgaa acggatatct ttgtatcttt tttctttttg 120
 ttattttctaa ctcatattta tgagataata aaatatgaca aaagctatac caaaaatagg 180
 ttcacgtaag aaagtgcgta ttggtttgcg taggaatgcc cgtttttagtt tacggaagag 240
 tgcacgtaga ataacaaaag ggattattca tgttcaagct agtttcaaca ataccattat 300
 aaccgttaca gaccacaaag gtcgggtcgt ttgggtcctc cgcaggtact tgtggattca 360
 aaagctcaag aaaagcatca ccctatgctg gtcaaagaac agcagtagat gctattcgta 420
 cagtggggtt gcaacgagca gaagtta 447

<210> 23807
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H7

 <400> 23807

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 cgatcgagaa ggggtcatcg ctctctctcg tgctaaaggg cggctcgaaa cgacggttgc 120
 tcgaggagga gggagaaccg gcgcaagccg ggctgact cgacaaggac ggcattcccg 180
 agtgggtgcc cgacagtgag cggaggggtgc tcaagggcgg cggcttcaag agcacactca 240
 cgccaaatgt ggtggtggcg aaggacggca gcggcaagtt caagaccatc aacgaggcgc 300
 tcgccgccat gccaaagacc tacgacggaa gatactgat ccaagtgaag gagggagtgt 360
 acgaggagta cgtgaccatc accaagacta tgaaaaacgt g 401

<210> 23808
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H9

<400> 23808

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gagcctggat ggccgtcctc cttgatectg gcctgcaagt gctctcggta agctacttgg 120
tttgatttaa taaggaaatc cgttggctta aggtaatgca ggctaaaacc tgatggctga 180
attcggcatc taacggcctg gaatagagct aggactggaa gaaaccacca aacccgcgtt 240
ggatcctgta tcgatctgga gaaatttcta agtcgtcgtc gtcgtcgtcg ttcggttcga 300
agcggatctg aggcgactat ggctgaaggc ggcgggatct ctgggtctgc agtcctgctt 360
cacctcgatg gatgat 376

<210> 23809

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A1

<400> 23809

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tagtggttagc ttcgtggggg aaagaaaaaa aagaaggaaa aaaaatccaa gaaagttcctt 120
gaaaaaagaa agaaaaatag aaaaacaatt tgaaaaagca aaaaaaaaaa agtatacaaa 180
aatggaaaaa aaatagtgat gatgtcatag gctaggaatt atcccccagg gtagccagca 240
gagaatgggt caggcacatt catggtactg atgtggagtg atatcattag ccatttactg 300
gcaatagcat gttgactatg catgcactcc agaagaagtg cagcagcatt tcaattcttg 360
tggaactggt aacagagtga caatcctgac tgac 394

<210> 23810

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-016-Q1-K1-A10

<400> 23810

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<210> 23815
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-016-Q1-K1-A4

 <400> 23815

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 gccgggtttt ccttctccag agatgccaaa ggctacaacg ctggagcggg atcaaccacg 180
 ctacacttgg cgaagttcct caccaagtgg ttcaacgacc atcccagta ccatgcaa 240
 cctttctaca tcgatggaga atcatagct ggaaaaattg taccattcct tgcacagatg 300
 atttcagaag gtattgaagc aggaatgaag tcggcacctc gtctcaaggg ctatctag 358

 <210> 23816
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 catttgtcag tggtgactcg tggattcgct taacttccac atatgcggta tctagtatgc 180
 ttgactaaag tattcgtgtt taagtttgta tctgggtttc ttgttggaat attctgtgcg 240
 ggggcacaac agctgttggt ggtcacagta ggcttgactt gtgtctccat gacatcaata 300
 atattatgtc atgttcgtgt gtgatcattc cactattaga gaaagcacca tatgtaccgg 360
 ttgagaattg gcttttaaga ggagatttta gtaccggttc ttggtatgag ctgatactaa 420
 aagttacata aaanaaaa 438

 <210> 23817
 <211> 236
 <212> DNA
 <213> Zea mays

cgctcgtcag gcctcacaac ccatatggag ctactacatc catgctgtat aagctgccga 360
 atacacctac tcacggaagt ctcatgggcc ctcatcgagc tgacgccaga gcttgtagt 420
 actgcgtctg cgtcttacac tgata 445

<210> 23820
 <211> 71
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B1

<400> 23820

aacggagtga aaattggcat ttgttggga aatggattta ttttaaggag tacaattttt 60
 ttgacaatt a 71

<210> 23821
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B10

<400> 23821

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 ggcgggctgc ccattcaccg cccctgatt tcttgggagt tgccgatcgg tctccggggc 120
 agcgtgcaac ggctggaccc ctccgatcgc cggagatgct gccctacgcg acggctgcgg 180
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 ccgcgggggt gtccgactac cacctctact gctgcaacat cctctttctc ttcgtcgtct 300
 tcacggtggc accgcttgcc atcgcgctcc tatcttcagg ccccggccgc ggtcttgccg 360
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 gt 422

<210> 23822
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-B11

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 tggtcgtacc aacaaggcaa caacaatctg atccggccgc caaacaacac caacataaaa 120
 acacactgaa cccaataatc cgatcccaca gaaactatta tctcgggtccg tacgatcgat 180
 cgctgccgcg tcgtttgcca gacaccatca acacccaaaa ccatgggtcta gaacctgact 240
 cagtgcgcca tcgacgacg 259

<210> 23823
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H6

<400> 23823
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 ctttctctgc taccttatat cttttctata gtttcatcta ttttcttttc tgtccccggtt 180
 tttaaacaac gtcccctctg ttaaccccct ctcttcccct tttttaatcc ttttacttca 240
 tatacccttt tctaattctc tctttatccc taagagcccc tcccttttct ctctcccaaa 300
 cttattctca ccttgatatc aatgtttcac cct 333

<210> 23824
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G1

<400> 23824
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 gagaaataaa tccaacaaaa cagggtttcca cactaaaaat aaccgggat aggtgcatcg 180
 tcatcccaca gttccttgaa ttcactcatg tccatctctg ctgactcctc cggcatcttt 240
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tctcttgctt ccgggtactg agccatggac ttcactcttg caagagcttt ctggagccgt 360
tcttcagtct gggttcgtcc ttcttgacaga aaatcgtaat catctccaga agacttattt 420
tggatcgaac t 431

<210> 23825
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-G10
<400> 23825

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gcgcacctct tcttctccat cctccttacc tccaccgcgc ccgccgtgcg ggccatcacc 180
gacgccgtcg gcggccccgg atacctccag gaggcgtgca acaagacgct gttccccaag 240
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a 421

<210> 23826
<211> 238
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-G11
<400> 23826

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agtcacagct tatcgaggcg tgcttgctaa ctgcgaaatg ctatatatat ctacgtaatt 120
caactattat ttccgatctt atatatctcc ttcactctca aaactctggc gatccccaac 180
tcagaagcca ttcaaagatt cccactttat gcctgaaacg cgactgtgtg aacaaagg 238

<210> 23827
<211> 424

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-G2

 <400> 23827

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 tagaaagatt ttcattgtgat ttcttaaggt gggtttagagg aaatagtctt ttaggggaagt 180
 gagctgaagt gttataccgt agagtgcact gattacacaa aatcaggggt tcaagtgtttt 240
 tcttcttctc atattcaggg atgagggagt ggactacatg gcttataggc tgaacttgca 300
 cagtgaagta cttctgtaaa actcatagtg cttctaaaat caaaatattg agaggaaaatt 360
 tattttttca gtttatgtgg ttttggttct tggaaaagta aagcagttct catggcagaa 420
 atat 424

<210> 23828
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-G3

 <400> 23828

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 ggatcctgag tatataagtg tgcacgagga ggccagaaca gccacaccgg atacccctga 120
 gcagtatgcc atgattgtac ctcttgagca gaagttaa atgctctgga gcttcattaa 180
 aaggcatcta aattcaaaga cgatagtctt cttatctagt gtcaagcagg tcaaatttgt 240
 ttatgaaatt attaagaaac ttcgtcctag tattcctttg aaatgtatgc atggactgat 300
 gaaacatgtg gtacatgagg ccatagttgc agatttcaat gaagctacct cagagctttt 360
 ctcaactgat ataacatctc gaggactaga tataaagatg t 401

<210> 23829
 <211> 267
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-G4

<400> 23829
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 gggctccgat gaggctgcgg ctgctggctac cgggcagccc actgcaagtg cctagacctg 120
 cagcatcaac gatgaccgcc actgctccat tgacagcgtg catgacgagc cgcttcatca 180
 gctccacgat tactataacc ccgagatcgt ccccgtaag atcatacacg aggacacgtt 240
 tacattcgac gcttcagaaa aagagac 267

<210> 23830
 <211> 236
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G5

<400> 23830
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 tgttctgctt ctgcatgcct ttggcgtaat gtaaacgaac gctaaggttt ctgtaatttt 180
 gctgctgtcg cgctggcagt ttggttccag atgaaaaaaaa aaaaaaata ttagat 236

<210> 23831
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G6

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 ccccgccgag aatctagggg tgcttcgcc tcgccccctc cttccgagac tcctagcggc 180
 aggaattagg acgagggtaa caggcgacag atgctgcgaa ggacgcccct tgtcgaatgc 240
 gccggcgacc gatccgtgga ggagcagccg gagcacgcat gagttgaagg gcaagctttg 300
 aaaatgtcat ccaactgtgcc gaagtcatca aatatcttct ggcattgattg cctagttggc 360
 aagactgac gccagatact actcaaccag aaaggctgtg ttgtctggat cac 413

<210> 23832
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-G7

 <400> 23832

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 tctcgagagt tccattgact ccacttgacg ttacacgata ctaaaactct accaccgtaa 120
 ctagtaccgt gactttaata atgcatacaca cgtcaaatat actatcgata ttaaacttat 180
 agcatctcta attacaaaca atctaactgt catctaata tacaacgac aaatcttttt 240
 aaataaccct t 251

<210> 23833
 <211> 228
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-G9

 <400> 23833

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 ccgagcactc gtccaccac tcttcctgac actcgtccga ataccctct tatcaactt 120
 tctgttaac tacatatcat ctcatgtact cccattcaat actcaactcc taatccaggc 180
 cacatcaaac aacctattta tagagaacca cttccttcca gatacgac 228

<210> 23834
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H10

 <400> 23834

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 caaggagact tggttcggac tgccaacaag tgtctcgtgt tataggcaat gaccttaacc 120
 tgatttcacg caatttactt cagggtgcag gtgcattaat ttatctgcta gtcttatctt 180

ggcctctcgg attgtgtaca atgtttgttt gtgcaactct atcagcaatt atgctagttc 240
atggacggtt tcagaaaagg gcagctaaat ttgcacagga gttcaccgca aacgccaata 300
atgttgctca agaggtgata actttggtta ggacagtgcg agtatatgga acagaaaagc 360
aggagtttaa aaggtatgca aactggcttg ataagctgta tgatgtgagc tttcggcaaa 420
cagtggctta tggaagct 438

<210> 23835
<211> 192
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H11

<400> 23835

ctgacgcgtg ggttcaaattg tcaagcccca cttgcaaatt accccagcat caagagcagt 60
ggccggccgg ccggtagctc tcggtcgac cactgcggtt tccagtcccg aataatccca 120
attcccaatc gattcgaagc ttccttcctt cgaggagagg gggaggtgga tggctccggg 180
gaagctttgc tt 192

<210> 23836
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H12

<400> 23836

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cgccggccgg cctctgcccc gcccgggctg cctgcgaggg cttctgatgg ccctgcacgc 120
cgtcctttcc tctagtgcc cagctttatt gcagatccag ccctctgac ctcgtcttct 180
ttcacctctc caacatgaag gtcaacacca agatcaagct ggagccggtc atggcgccgt 240
cgtcgtccct gccgcggagc gccagcgagc taccgaccc gccgtcaccg ttcagctcca 300
acacggcgca ccaccccgct tccgtgcccc ccacacctag gttgtcctta tcgtgctcgt 360
cgttcggcca catggtgacc ccgcccaccg acacaccgcc gatcacg 407

<210> 23837
 <211> 337
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H2

 <400> 23837

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 aaggctatattt gggggaattc atcggactcc acggttacat cgccttcatt gcattacaat 120
 agcgtctact ttcttgtcat ataattccaa tcccttgact tcaattaaca ccgtcttcta 180
 ccttcaaaat cccgacctaa cacgcattta ctgccatgtc tgttgaatca cttccaata 240
 catggactac ttcccaaact gccactactt acaaagacct gaccattttt cttcacgctt 300
 ttatagtaca tggcacgctc ctctttcacc aatattt 337

<210> 23838
 <211> 338
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H3

 <400> 23838

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 caagctttca agcctaggct tcaactgggtt caaaaggaaa accgaggata tcgaatcaag 120
 cggaaaagggt cgttgcaaat tcttccaggc ttgcaaactt gagttgggtca ggaagtttca 180
 gtgatgtgtc ctaatttggg agtacgtact tatatttgtg gtagctggag tgtttgggtt 240
 agtttgttgt agagcctaata ttgaaactgg tctaaattgg atgttgagat tggaatggga 300
 agataatgat tttccccaca taaaataaaa ttaataaa 338

<210> 23839
 <211> 375
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-H4

 <400> 23839

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taaagcttta aaggctaaac ttaaattggt aaaaaaaaaa aaacaaaaga tatcaaataa 120
aagcgggaaa agtcttttgca aattattcta ggcttgcaaa cttgacttgg tcaagaagtt 180
tcaatgatgt gtcctaaatt aattaatacg tacttatatt tataaaaact ggagtgtaaa 240
aaccagtttg ttgcaaagcc taatttgata ctggtataaa ttgtattttc agattggaat 300
gtttaagaaa atgaccttcc ccaattgcct tacaaaaaat ttgcaaaacc taaatgcaaa 360
ttggaacgcc ccttt 375

<210> 23840
<211> 335
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F9

<400> 23840

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cggcatccga gcgaacaagc caaccgaccc cgtccccaag gcaatccggc ggcgacgtac 120
caccaccacc gcaggagcga gatggagatg aagaggatcc tcttcgccgt cctcgtcgtc 180
atcgccgcct cggccaccgc agtgctggcc ttcaccgaag ccgccgccgc gggcgcccca 240
actgcctccg agtcgtccgc cgaggctccc gctggcgctg gcgctggcgc tgccgctggc 300
gccgtcgact tcgggccctt cgtcagcagc ggccg 335

<210> 23841
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-H5

<400> 23841

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ggtgtttttt tttttgtttt tttattttt ttttatattt tttttttttt caaaaaaggg 120
acaatcaa at tataaaaatt tgcaagttca attacaccaa taaaattatt ttactaagga 180
aaaattaaca aaagtttaaa gaaaggtaaa aaaccgagga taaaataatt aaagccttca 240
aaaaaatttt gtaaaatttt taaaataatc aacttgatct agaaattgat gaatacctgt 300

ttatataatc tgaatacaaa ttttatttta caaataaaac ttaacattaa tctaaaaaaa 360
aacaattgaa taaaatttgg ttaatttat 389

<210> 23842
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E3

<400> 23842

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tgctcctgcg cccctatcca tcgctcgac caccactga ccggccggcg gcaccccttat 120
taccataaca tcacgggacg gtggctcgat gcaaggaggc cactgagcc cggatgagta 180
ctgggtgata tcgccgccgg cgctgctgca ccagccggcg tccaccatcg tcgtggccat 240
cgaccgggac cggaacagcc aactggcgt gaagtgggtg gtggaccacc ttctctccgg 300
cgctctcaa atcgtgtac tccacgtggc cgtccattac cacacgaccc atgggttcgc 360
catggttgaa accacgcatg gtgcgtgga ggctgaaatg aaggagatct ttgtccccta 420
cagaagattc ttcaaccgga atgggttgga agtat 455

<210> 23843
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E4

<400> 23843

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gagaaaggcg tataaagaag acaaacttga tcggcagggc aactacgtga aaaaggataa 120
tggtcctgag acaggtcgga ctgggtataa gatacaacag gcaaagcagc tgcaacagca 180
tcaaaggcca acatctgctt cagcttcgtc aaggcaatct gaaaaggaaa gttcttctga 240
tgatgtagaa attgatgcaa ttcttgagga agaggaggcc ctcatcgag ctcacaggaa 300
ggagatcgag aatactatgg agatcgtacg ggaagaaatg aaccttttgg cagaagttga 360
tcaaccaggt agcctgattg acaactacgt gaccaactg agctttctgc tgtcac 416

<210> 23844
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E5

 <400> 23844

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 ggggcaacaa caatctgttc cggccgcca acaaaaccaa aaaaaaaca cactgaaccc 120
 aataatccga tcccacagaa acttttctet eggtecggtc gatcgatcgc tgccgtgtcg 180
 ttgcccagac accatcagca cccaaaacca tggcctgcaa cctggctcag tgcgccaccg 240
 tcgcccgtgc gaccgtcgtg ccccgacccc ctagccctgc tgcgtacgcg tccgtctcct 300
 tctccg 306

<210> 23845
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E6

 <400> 23845

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 ctgttcctcg tttgctgtcg cctcgaagag cctcctccgt tccctctccc tcgaccgatc 120
 ggccggtctc acggggcatt tcggggggct ggtcgatctc tccccgctca ttctgtcaag 180
 ggattggctg gttgccgatt ccgtgcggcc ggataactcg gatttattca gtttttcggg 240
 ttcgctacat gcgtgtgcga tgccggccag ctccctcccg gcgtcccccg acgccaccgg 300
 cgacattggc gccgcgctcg agctcgatct cgaggatctc gccgtcggcg gcggcacgga 360
 ctgcatcggc gcgctcgctt gcggcaggag cagcttc 397

<210> 23846
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-015-Q1-K1-E7

<400> 23846

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gcctctgtaa atgatatacc tctcaatttc aagggtttctc tattaaaggg tgttccaaat 120

ccaaaggcta ttcattcttc caaagccgtg ggagagccac catttttcct aggttccgcc 180

gtcttatttg cgataaagga tgcgatctct gcggcaaggg ctgaggtggc gcacttggac 240

tgcttttcac tcgactaccc ggctacaccg gaaagaataa gaatggcatg tgtggattcc 300

atta 304

<210> 23847

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E8

<400> 23847

cccactcgtc cgaattttac taatcaaatt cttgttgga tatattcctc caggtcccct 60

gtcctccca acaaggcaac aacaatctgt tccggccgcc aaacaaaacc aaaaaaaaaa 120

cacactgaac ccaataatcc gatcccacag aaacttttct ctcggtccgt tcgatcgatc 180

gctgccgtgt cgtttgccag acaccatcag caccctaac catggcctgc aacctggctc 240

agtgcgccac cgccgccgag ggcaccgtcg cgccccgcac ccctcgccct gctgcgtccg 300

cgccgtctc cttctccgag aggaagccgg cggtcggcag cctgcggctg cagcggcagg 360

cgtgctgca gccgtcgggtg ggcgcgtcgc gggcgggtg 398

<210> 23848

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E9

<400> 23848

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gcgtgaagcc cgccttgag ctggaggaaa agggggagct ggagaaggag gtgtgggcga 120

ggttctacgg caccggcttt tggaggagcc cgtcgcagct ggacgacaac gacgacaggt 180

gatcgggaca ggcccgcgag cgagctatcc acaagctcct ccggcgatgc gtgggcttcc 240
 ttcgttttcc gcgggaagaa gagaggatcg aggaaagga aacatgattg tgtgttcgat 300
 actacgatta cgaacttcgt tttcccttct tttttgtttg tttggaagg gaaatacttc 360
 tcttctattc tacaacaatg tcacgtacat gcaatgtaat aataaaaaat gtatgtgata 420
 tatttaacaa tgtgattgat gatggataaa tggaaatgga 460

<210> 23849
 <211> 468
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-015-Q1-K1-F1

<400> 23849

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 ctgcgagggg agtgccgctg atgttgctcag cagtgggtgct atgccagcta gggataccaa 120
 gcaaaggcct acgaagcctt gtgcttactt caacagcgcg agaggatgcc ggaacggtgc 180
 gaactgcacg tttctgcacg atgtgtctgc cgcgaggaaa gaacagtcaa agggttccaa 240
 aaggattaag cttgacagca gaatagccgg gcggtattga ggggctgctg ccgccgggtg 300
 atttttgact gttcttttgg tcaaaatcct catttcgccc tttttcccct taaaaaacgt 360
 ttcagtaaat attgcgcccc agctccttgt ttctttcact tagccaattt ctctntgttg 420
 actaaatgag gtgtttttaga agaaagaaaa atatcccacg atttattg 468

<210> 23850
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F11

<400> 23850

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 ctccgccccca gcgcgcccc ccgcgccgct cgtgccgggc tgccccgcgc tcgggcctgt 180

ttcgcgcccc ccatecgcac ctcccccttcc gtcgcctttt cctaccagcc tcggcgcttc 240
 agtggcatcc gccgcgccgt ggccgtcgac tccgagcagg gcttccccga gtccccagag 300
 caggagaaga agcccaagac gtactacttc ctggtggcaa acgccaagtt catgctggac 360
 gaggaggagc atttccagga gcaactcgcc gagaagctgc gcaactacgc cgagcgcgac 420
 aaggagcagg atttctgggt cgtcgtggag cccaag 456

<210> 23851
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F2

<400> 23851

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 caagcaaagg cctacgaagc cttgtgctta ctataacagc gctagaggat gcctgaactg 180
 tgctaactgc acgtttctgc acgatgtgtt tgccgagagg aaagaacagt caaaggattc 240
 caaaaggatt aatcttgaca gcataatagc tcaacggtat cgaagggctg ctgcccaccg 300
 ttgatttttc actgttcttt gggtcaaaat cctcatttcg aactttttcc ccttaaaaaa 360
 cgtttcagta aatattgcgc cccagctcct tgtttctttc acttagccaa tttctctttg 420
 ctgactaaat g 431

<210> 23852
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F3

<400> 23852

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 ggtgccctgc ttgtgctgct catcgtcgcc tccagcgcaa cgggtgtcgac tgctcatgac 120
 gagagctgct ggaaggacga cgaccaccac cctatctgct ttcccgaaga ctgctgggcg 180
 acctgccagg atcacggcca cgcggacggc cgctgcaact gggcatggtc gtggaggccg 240

tattgccagt gcctgttggc ggactgccaa taggcgcgaa cagctgcgtc gcatggcgtc 300
ctggctgcct cgccggccga tgaaggatga acggttgagg ccgatgatcg atgtgtccgt 360
cggcatgtcg atcactcatt gaaaccccct ctaatcctgt gcggtattat tttcatggca 420
cctgtggcca ttaaagatcc atggacacgt acagtaccaa tacat 465

<210> 23853

<211> 390

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F4

<400> 23853

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cgccttcttc ggcgtctgga tgggccccgg gaagtggctg ccggagggtga ggaagacgta 120
caacctgctg gacacggcga gccggcacac gatccatgtg taccgcggt catggacggc 180
aatcatgctg acgttcgaca acgcgggcat gtggagcgtg cattccaaca tctgggagcg 240
gtactacctc ggggagcagt tctacatcag cgtcgtctag ccagctcgat cactgcgcga 300
cgagtacaac atgcccagaca acgccctacg atgcggcaag gtcgtggagc tagccgtgcc 360
gccgtactac gctcactcgc gctaagacga 390

<210> 23854

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F6

<400> 23854

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gagggcgact accacgcca cctccgccgg ctcgtctccc gggctttctc ccccgaggcc 120
atccgaggct ccgtgccggc catcgaggcc atcgcgctgc gtcgctcga gtcctgggac 180
ggccgcctcg tcaacacctt ccaagagatg aagctgtacg cgctgaatgt ggcattgctg 240
tccatcttcg gcgaggagga gatgcggtac atcgaggagc tgaagcagtg ctacctgacc 300
ctggagaagg ggtacaactc gatgccggtg aacctgccgg gcaccctgtt ccacaaggcc 360

atgaaggccc gcaagcgctt gggcgccatc gtggcccaca tcatcgaggc ccggctcgag 420
ggctagcggc 430

<210> 23855
<211> 58
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F7

<400> 23855

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<210> 23856
<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F8

<400> 23856

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tatgctgttg atgtgtcaaa ttcaaaaaaa aaaaaaaaaa aaaaaataaaa aaaaaaaaaa 120
aaaaaaaaag aaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa 180
aaaaaggggt ttccctttta aagaaccaat ttcacaaaat ccttcattta aaggatttaa 240
ctctttttaa gttcacctat aattgaatta actgcctggc ttttaaaaat ctactctacc 300
aaaaaaacat gttttttt 317

<210> 23857
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E2

<400> 23857

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gatttcttac cgccgtcgct gcagctccac ccattccgt cgacaccatg agggagtgc 120
tctcgatcca catcggccaa gccggtatcc aggtcggaaa cgcgtgctgg gagctttact 180

gcctcgagca tggcattcag gctgatggtc agatgcccg tgacaagacc attgggggtg 240
 gtgatgatgc tttcaacacc ttcttcagt agactggtgc tgggaagcac gtccctcgtg 300
 ctgtttttgt tgaccttgaa ccaactgtca tcgatgaggt gaggactggc acctaccggc 360
 agctctttca ccctgagcag cttatcagt gcaaggagga tgcagccaac aacttcgccc 420
 gtggtcacta caccattggc 440

<210> 23858
 <211> 172
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C4

<400> 23858

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 gggttgtggc aatatttgaa gaattaacaa aatgtaaata gctttggcag ttactttacc 120
 ctttttagatg taacaaactc atcccgttgg ttacatgtac cttgttttat tt 172

<210> 23859
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C7

<400> 23859

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 ggatcgctcc ctaccacttc gacttgagcg gcaaggcctt cggctccctg gcaaagcccg 120
 ggctcaacga caagcttcgc cactgcgga tcatggacgt cgagttcaga aggggtgcggt 180
 gcatgtaccc cgccgggcag aagattgtgt tccacatcga gaagggtgc aacccaact 240
 acctggccgt gcttgtgaag tttgtggcgg acgacggtga catcgtgctg atggaaatcc 300
 aggacaagtt gtcggctgag tggaagccca tgaagctctc ttgtggcgcc atctggagga 360
 tggacactgg caaggcgc 378

<210> 23860
 <211> 333
 <212> DNA

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gcacgaagat tggcacccca ggatcatcca ccgtgacatc aaggcagcca acatccttct 120
ggacgagaat ttcgaggcta atgtcgcgga tttcggactt gccaaagctga ccacagacac 180
caacacgcac gtcttcactc gtgtcatggg aactttcggg tatttttccc cggagtacgc 240
gtcgagcggc aagctcaccg acaagtctga cgtgttctcc ttcggcgtca tgctcctgga 300
gtcattacc,ggcaggagac cggttgatcc cacgaactac atggaggaca gcctggt 357

<210> 23863

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D10

<400> 23863

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cggtcgaggg agtccaggct gttgccagcg agcgatggct agcaacggct cgtcgctggt 120
gcgccgagcc tgctcaactg tgcgccgaat gcctagttag aagaagcggc tcgtcttatt 180
cgccgtcgga gttagcacct tatcttatgc ttgtcaagat aatcgagctc ttcaaattcg 240
tgatgttact ggaaacaaga agaaggcggg tctccttga actggatgga ctgatgcaag 300
ttcattgaga aatatcgaca catctttgta tgatg 335

<210> 23864

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D11

<400> 23864

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gaggaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggacgccaa 180
taaaaaaaac catgataaat gccccaacta ttgaaaatct aaagcattca aaggagacca 240
aaaattaaaa gaaactggac tctttataaa aaacataata gataaaaaaa cgatatactc 300

acgcaatata accgtgaaca aaaaaatcat cattaaaaaa aacgcataat taaaaaaaagg 360
gcaaatacat atccccctac 379

<210> 23865
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D12

<400> 23865

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cataagaggt gcttgcatcg acgagtgcac cacagaaaat aaggctcctg gcgacaagaa 180
gacatgcgaa gtgttggtgca ccaagctcac aaaaaagcct accgaagaag gcaaacaatga 240
ttgatgaagt accactccga taatatatac cctagtggat cagtggatcat cttttagtagcc 300
atgtctgcc aacgatggcc ttgactatat tgacttatgc gtatgtttct ggttttcact 360
aatatcctaa ttcgctagcc atataaccta atttcactca aagcatttta tatgcttcac 420
ttaattaaat aaatac 436

<210> 23866
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-D3

<400> 23866

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ggacgccgga gctcgacgag gacgaccgac gacgcacgca gagatccggc gtactgcaaa 120
ttttgaaaac tgaactgtaa gatggcatca gcagagcttt cccgtgagga aaatgtgtac 180
atggcgaagc tcgccgagca ggcggagagg tacgaggaga tggttgagtt catggagaag 240
gtagccaaga ctgttgactc ggaggagctc actgtggagg agcgaaacct nctgtctggt 300
gcatacaaga acgtcattgg agcccgccgc gcctcatggc gcatcatctc ctncatcgag 360
cagaatgagg agggccgagg caatgatgac cgagtaacac tcatcaagga ttatcgtggc 420

aagattgaga c

431

<210> 23867
<211> 142
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D4

<400> 23867

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ttcgggtctcc tggggtctac tctactatc cactacattc ccatatatcc atcacactgt 120
acatttcgaa aactatacta ca 142

<210> 23868
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D6

<400> 23868

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ggtcagaggc gcaatcggtc attttcacaca tgatgcaata agcaagaaaag taatgggtgaa 120
tacaaagtgc agtactcgtc ctcgaccttg aatcgcattha ctggacctgg agccattgca 180
gatagctctt gagccttacc ttgatttaat ttacctgggt tttgagagac tatctatgaa 240
tatgctaact cgttcgtaaa gtatcttttt gtcccaatth tgattgatgg agctttaagc 300
ttgcttttct gtatgcaata aaaaaactta tcacattttt ctttc 345

<210> 23869
<211> 398
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-D7

<400> 23869

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ggttgaaact gctgcagatc ggcaccctgg agttgagcag tacgctatca ggtcattcgc 120
 tgatgcatta gatgctgttc cactagcctt ggctgaaaac agtgggtttgt cgccaattga 180
 taccttgacc atggtaaaag ctcagcaagt taaggagagc aacccccact gcggcataga 240
 ctgcaacgat gtatgcacca tcgacatgaa agagcagaac gtctttgaga ccctgattgg 300
 caagcagcag cagatcctgc tggccactca ngtggtgaag atgatcctga agatcgacga 360
 cgtcatctca ccgtccgagt actgatgaag cctgaagg 398

<210> 23870
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D9

<400> 23870

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 aactcgtggt tgatggactt cgtgaacaac ggggaggtgt ccgggggtcac gctgctcaac 180
 tccaagttct tccacatgaa catgtaccag tgcaagaaca tgctgatcaa ggacgtgacc 240
 gtgacggctc ccggggacag ccccaacacg gatggcatcc acatgggga ctcacccggg 300
 atcaccatca ccaacaccgt cattggcgtc ggcgacgact gcacatccat cggccctggg 360
 acctccaagg tgaacatcac tggcgtgacc tgcgggccccg gccacggcat cagca 415

<210> 23871
 <211> 309
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E1

<400> 23871

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 acctttccat ctgtttgtcg agtacaaata tcaccccaaa tttgcaagac caatataacg 180
 ccatacgata tattgtcaac cacaacaggt acaacataat acaactctaa ttcaacaaca 240

atagcccacc tgttgctata tccgacgtgc tcctctagat aacttagcgc gctctatata 300
attcttggt 309

<210> 23872
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E10
<400> 23872

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gctgtctaca cttcgttttc gtctgctccc tcgtccaagt atatcaacgt agcaagggtg 120
tttaatcaca ttgatgctct cgtgaggctg agcggaatta ctgcagaggg ccaagggtgtg 180
aaggttgaat cctcagcagt tccttcagcc ccaactccag atgttgctga agcacaggcc 240
ccagctgctg aggaggagga cgatgatgat gttgaccttt ttggtgagga gaccgaacat 300
gagaagaacg ctgctgaaga gcgtgctgca gctgccaagg cttctggcaa gaagaaagaa 360
tctgggaagt catcagtttt acttgatgtg aagccatggg acgatgagac tgaca 415

<210> 23873
<211> 103
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E11
<400> 23873

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gtgtctctgg tcatgtgtaa' caatcaaacc ttccataact ttc 103

<210> 23874
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-E12
<400> 23874

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cggaacaaaag aagccccacg tcaaccacgg caagttaaag gcggagccgt ggactgacgg 120
gcactcgacg tactacggcg ggcgcgacgg gttaactgac accacggacg gcggctcgtg 180
cggctacaag ggcgagctgg ggaaagacta ctgcacctg acggcggccg tgggcccgtc 240
gctgtacacc aacggcaccg ggtgcggcgc gtgctatgag ctcaagggcc ccaagggcac 300
cgtggtggtg acggccacca acgaggcccc gccgccggtg agcgggcaga agggcgagca 360
cttcgacctc accataccgg cgtttctcaa gatc 394

<210> 23875

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C3

<400> 23875

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cgcttggtgc tagccctcgc gctagtggcg gccaccgccc cacaggtagc ggaggcaaaag 120
aagaagagag cggcggagag cggcgaggcg gcggaggcga agaagatcca ggacgacttc 180
tgctcgacgc tgtgcgaggg caagaagggg acggacctgg tcgtgtgcaa ggagtcctgc 240
gcgctctccc agcagtccaa cctggtgctg tacggcagga tccagtgcaa gggcaagtgc 300
accgagcaga agggcatcac ggcgccggcc atgaaggtct gccaagagga gtgcgacaag 360
gcgtacgtgg tg 372

<210> 23876

<211> 306

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B10

<400> 23876

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gtggactagc acctgatgtg cgagatcgag ggccaccacc taacgtcggc ggtcatcgtc 180
ggccacgacg gcgcaacttg ggctaaaagc accgggttcc ccgagtccaa ccccgaggag 240

atggctgcc a taatgaagga ttccaacaag ccggggcacc tggccctgac cggcctgac 300
ctggga 306

<210> 23877

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B11

<400> 23877

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gacatttgcc tatgttacaa gtatctactg atgtattatc ttatctaaca ttacagaaa 120

gatctacata tactattacc tgatcttcta aacctatgca aaactactct tatccacatt 180

cataataaca aactattgat acacctccat tcaaagcacc acctcaactt aaatcaactc 240

atcatctaca agatcaattt taaagcattc aaactagacg ttcaacatat ctctctcctt 300

atttttaatg attactactc aaatcttgat gatgtattat acattttaaa tt 352

<210> 23878

<211> 331

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B12

<400> 23878

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cagggggggc cggaaatcaa ccgccattgc ctcgattccc gcgaccacct tcgccgtcat 120

cttatccgtc ctcttctgtg ccgcggttg caccggcgtc gacaaccaac ttcccgacta 180

cctcatacaa ggccgcgtct actgcgacac ctgccgcgcc gggttcgtga ccaatgtcac 240

cgagtacata tcgggcgcca caatgaggct ctagtgaag cacttttgca ccggcaaact 300

ctagcgttc attcaacggg tgaccgacac c 331

<210> 23879

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B2

<400> 23879

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tgtgtcgtgc atggtgagaa ggcaaagtca aaggacaacg atgcaaaagc gttcggggccc 120
gggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac ggatagcacg 180
aaggctgtgc aggaggcgtg ggcacacg tgcggctgca ccggtagca gacgatcctc 240
atccccaagg gcgacttact cgtcggacca ctcaacttca caggcccatg catgggctac 300
gtgaccatcc aggtgaatgg caatctgctg gcgaccacgg acctaagcca gtacaaggat 360
catggtaatt ggatcgagat tctacgcgtg gacaaccttg tcataccgg caagggaaaa 420
gc 422

<210> 23880

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B3

<400> 23880

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gacgaccccg gtctgcttgt cctcctcaa tcacctgcag cgaaaaggaa aagggtgtca 120
gaccgcaact aagagctatt tagcaataat acatacatag ctataccctc tttaggtcaa 180
gagggtggag ttctccttat tcggaggaag agtccatcc tcattctaca agaccaaacc 240
aataaatggc ctctagccca cagtccctcg catcactc caagaagtcg ccgccaccac 300
aagaagcatc agctttggcg ccaaaatcat cttcaaagtc accctcgcca ccaaagggtg 360
aatcaaattc atcgtccagt ccccatcg 389

<210> 23881

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B4

<400> 23881

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 ggggaaccgg acctcgggtg tggatcatcg gggtcgcgga ggtctactgg atgggggtcta 120
 gaagtatccg ggcaagtcgt ctctgggaac cctgcttatt gctcgccgat atgttttcag 180
 gcgtcgcgat gcagctgagt gccatggctg ggtctcattg ccgtcttcaa tagagggtgag 240
 gccactagga tctgaagaat caccctggta actggaatct caagtgccag gtgtgacagc 300
 cgacgtcgac ccgagacttc aacgtcttcc cgtcgtcttc catgtgctcc cgggttcgca 360
 ctcatggaga agaataagg 379

<210> 23882
 <211> 352
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B5

<400> 23882

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 ggtaaaga agatcggcgc catggcggca acgacgacga ctgggatgca gatgatgcag 120
 gtgcagcagg cggcggcggt gctgctgtgc ttggttgtgt tggcggcgctc tacgcgggctc 180
 gcgctgggca actgccgcga cgactgcatg gctgcatgca acggctggac catcgtctgc 240
 cagctctcct gtgccagcgc atgctacgga gaagtcggga tcacaacctt aggtacgtcg 300
 gctgtattag cgaaagcaga agcgctgca tcagcaccac atgcagcaca ag 352

<210> 23883
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B6

<400> 23883

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 agagggtgtga ctgcctaagg aaaatggttt tgccccgagt ccacactgtt aggtcatcgt 120
 gaggtcttct catgcagcag actaacgagg gtgcttccag tgagtgccca caatcccatc 180
 tatctgaaga tggatgccgt tgcaggaaat acccatgctc ttcacttctg atcgggctca 240

acagcagacc aaaatntttcc atctcttgca cttgagttcc tcatcgacat ttgcagacta 300
ctgaagcaga tggaactcta aaagaagtgc tgaaagagac gaaccatctc ttgtatgtga 360
tatgggtggtt gttgagaaag taggagcaag cctgtaactg tagatgtaac caaccttgat 420
ggttcctgcc caagagttaa attgtacatg atata 455

<210> 23884
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B7

<400> 23884

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caggggagtt cagccgttcc tgttcctgat aaaacgagag aaggatggca gtgtctcagg 120
gagctgtcct attcttgttt ctctcctcg tcgcagcata tgtgggaacc atcgatgcca 180
aaatgggagt agccatgccc atgcatgcct tgataatgga gaaagcgaaa catcaggaga 240
aggagaagaa ggaggagaaa agcacggaga atgaagagag tcaatgctta tcgccgagtc 300
ttcagttcga gggcttctgc ttcaacagcg acagatgcgc cgagggtgtgc atg 353

<210> 23885
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-B8

<400> 23885

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gtggaatgag ggggtgccttt ggcaagcctc agggcacctg tgctaggggtg gacattggtc 120
aggtcctcct ttccgtgcga tgcaaggaca acaatgctgc ccatgccagc gaagctctgc 180
gtcgcgctaa gttcaagtgc cctggccgcc aaaagatcat tgagagcaga aagtggggct 240
tcaccaagtt cagccgcgct gactacctga agtacaagag cgagggtaga attgttcctg 300
atgggtgtcaa cgcatagctg ctccggcaacc acggcagact tgagaagcgt gtcctcggga 360
aggctttcct tgatgccggtt gcttaagtgc tgatgcgaat nctgacgttt tgcttttagcg 420

tatcttaact tgtttcgtgg aacatgaatt tcaagtgtt

459

<210> 23886
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-B9

<400> 23886

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cgcaggcccg ccggcgacga tcgaggaggg aggaaccaga gacccggcgg cggcgacgat 120
ggctccgcgc agtcatcgg cgggcgactg cctgtgcctc gctctcgccg cggccactct 180
ggcgctggcc cacggtgcgc aaggaggagg accatcgga tcggcgggcg acctggacaa 240
ggtcacggcc gagaccttct tcgacatcga gatcgacggc aagcctgcag gccggatcgt 300
gctgggactg tttggggaca cgtttcctaa aactgcagag aacttccgag cactttgcac 360
aggggagaaa ggaattgcc agtccggcaa gcctctgtgg tacaaggngt cgacgttcca 420
caggatcatc ccgggggttca tgatccatgg aggcgact 458

<210> 23887
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C1

<400> 23887

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catggatttt tggacagtcg tagacgagca agcaaccgag gaccccgata ctcatcaggt 120
ggataatact gagcaggagc tcgttgaagc cccccattc ccataccctc ttggacgatc 180
ccatacgatc tactttcttc tcaagcactt gcagccacac atcataccct agcccccca 240
tctactgctc ccaaggtgcc attcgttgcc gctcggatct ctgtcgcgtg gtgcaaactc 300
tcaacggttt ccggtggagg gaggaagga ggaaaggagg aagaaaaggg ggagaaccca 360
aagtggggga cttccggatc gtacttaggg atttgccga acttcccga aaggtacttg 420

atacatgttg ggaatg

436

<210> 23888
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C10

<400> 23888

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gtgcttttcg gcgggattac attagaaatc agatagaaat gtatagttat tgttaccttt 120
ttggaaatac atggaggaag gaaactgttc aaggtgaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaagggggg gcccttttaa agggatcaaa gtttatttcc ccttccttcc 300
aacataaaac cttttttata gggccccgaa attaaattca agggcccttg ttttaaaaaa 360
ttagagattg gaaaaacctt ggttttccca atttt 395

<210> 23889
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C11

<400> 23889

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gcggtgcgcg gtgctgaagg cgctcgtggt tgctcggtgc gtactgccgc tccgtagact 180
gcgccggtgt actacgcgga acgacctcgc actagccgac accgactcga tcgataaaga 240
gcggtgatcc ttggaacata cacactcaca tgccagatcg tttgtggact ctagaatgct 300
tgcacggata tgaacattga gcgtgcatga tgtaagtatt gcacgctcct tgtaagct 358

<210> 23890
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C12

<400> 23890

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gcagaacgtg atcctgcaca acctgcacat ccacgactcc aaggcgccact cgggcggcat 120
gatccgcgac tcgaagcggc actacgggct gcgcacgcgg agcgacggcg acggcgtctc 180
cgtgctgtcg tccagcaacg tgtggatcga ccacgtgtcc atgtccagct gctccgacgg 240
gctgatcgac gtggtgaacg ggtcgacggc catcacctgt tccaacagcc acttcaccga 300
ccacgaccac gtgatgtgt tggcgccag caacgacgc cgcgaagacg cggatgatgca 360
agtcacgggtg gcgttcaacc acttcggccg cgggctggtg catcggtatgc 410

<210> 23891

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-C2

<400> 23891

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ggtccaagca aaaactgcat tcatgttttt gcttgtacac tgcaccgtac tcatattggt 120
tttagcagta agagcgtgct tatgggtgca aaatgtcata gtgaaagatg ttttattgca 180
ttgcatttag ttaataacat gtcattcaaa gttttgtggt aaaatttctt ctgacctgga 240
tatggcgcgagg aaaatttgaa cggctctatg ggagaattat accagaaaag agaagggtat 300
gcgttactag tagcttcccc caaactgctg gcgctatgat caaaatgtgc tttcccaatt 360
tagccactgc atgttgcttc ataatttcta gtttttcgat atctgacaat gccctgaccg 420
ccgcggaatg tcacgccaac ggacaccgac a 451

<210> 23892

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-B1

<400> 23892

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cctggtgtgg agcaagaacc agtgccagca ttcttacaat tgcaagatcc tcccgaatag 120
ctcggtgctg gattttgtga cgaacgtcca gatccgcggc atcacgctgc tcaacatcaa 180
gttctttcac ctcaacatct tcgagtgcaa gaacgtgctg atcgacaaag tgacggtcaa 240
ggccccggc gacagcccca acacggacgg catccacatc ggcgactcca gcaacgtgac 300
catcagcagc accac 315

<210> 23893
<211> 480
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H6

<400> 23893

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agcagccggc cagtgcgcgc ggttgcggtg catttgcatg gctgcgcgct gcgctctggg 120
agcttgact agcgggtctg cggcctatgc gcggggcatc ttacgagtgc gtgcgtgtct 180
gttcaagctc tgategtctc tccggcccat tcgccggagg aaactgaccg acgtcttctc 240
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ccataaagca ggacggtaca gacacgtgta cgagggggat cacggtcggc tgaagcgact 360
aagctggcgg acggaacgac gacgatggcg aggagcggcg gcgggatgga aggcagctgc 420
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<210> 23894
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-H7

<400> 23894

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tgcaagaagt cgagttccag gccgaggccg cgctccggga ctccggggcg cgcgccatcc 120
gcaactacct gggccggccg tggcgcgagt gctcgcgcac catcgatcatg gagtcggagc 180

tcccggactt catcgacaag gcggggtact tgccctggaa cggcgacttt gggctcaaga 240
 cgttgtggta cgccgagttc ggcaacacag ggcccggcgc caacacggcg gggcgcgtca 300
 gnetgggccg gggttcaaga aggtgatcag caaggcggac gccaccaagt tcacggtcga 360
 gaacttcctg cacgcccagc catggatcga tcccacaagc acgccggtga agtacgacct 420
 gttcacatga ggacacagct ggaccgggga tcggatcgg 459

<210> 23895
 <211> 481
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-H8

<400> 23895
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 ggctgcgaga tgatgattac aatcgcaaca gggatagga cagggagagg gatggtaggg 120
 aaagggagcg ccgagacaga gaccgtggca ggcacaggag ccgctcaagg agcagagatc 180
 gacgggacag agaccgtgaa gatggagagt accgcaggag gcgtgggtcgt ggcagtgtga 240
 gtcctcgtgg acgtggtgag gatgggtggc caagagagga accgaagagg aagaaggaaa 300
 agaaagagaa gggttgaagg aaatgctccg gaccggaatg accctgagat catagaaatg 360
 aacaagctac gggcctcact ggggttgaaa ccactcaagt agtttacacg agtaatgttc 420
 aacttgacct gcaccaacc tttnttgtgc tggacttttt cagcttgatg taactaaact 480
 t 481

<210> 23896
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H9

<400> 23896
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 aagtgccagc gagctaatat ttaatttttt tctttggtta tattgaggca ccacacgagc 120

caagaaaaaa gttatgctac atgtcccttc ttgcgcctta ttgcgttagg ttgatatgca 180
 tgattacata gattaaata cactttttatt caagattttt tggggagaaa tatattgac 240
 tgggccacct tcattatcca gccaaagtcct cttccctcgc ctgcggttag tagcctgctt 300
 cgcacccgca catctccctc cggttctcgc catggggcgc ggcgccaaca tccacgagga 360
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 tccggcgccg gatgcgcgca attactatgc cgacggggtc ccggt 465

<210> 23897
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A1

<400> 23897

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 ggcgagcagg caatgatgca ggcctaccta agggcctgcc agatcgaaca tctcggctat 180
 ctattgcaag gactgtctgt acgatcaatc gacacggatg gacatatcga ctgggtgtggc 240
 tcctacaat cactctcggg gctgcttgta cactgacgtg tacacgacca ctttcaatag 300
 catgggcaca tgctgcatct taccaacctt cgaggattgt cagtgttgta ggtgccgctt 360
 atagatcatg tgccatcagc ctgtaaagtg c 391

<210> 23898
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A10

<400> 23898

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 ccgctccgct acgcccctg gccgctgtac tggatcgcgc aggggtgcgt gtgcaccggc 180
 gtgtgggtca tcgcgcacga gtgcggccac cagccttct cggactactc gtcctggac 240

gacgtgggtcg gcctgggtgct gcaactcgctcg ctcatgggtgc cctacttctc gtggaagtac 300
agccaccggc gccaccactc caacacgggg tgcttgagc gcgaccaggt gttcgtgccc 360
aagatgaagg aggcgctgcc gtggtacacc ccgtacgtgt acaacaaccc ggtcggggcgg 420
gtggtgcaca 430

<210> 23899
<211> 460
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A11
<400> 23899

actgcctccg catgcccga gacccctcct cattcccaa acatgagagg agcagaggag 60
gagagatctg gcgcccac tgatgcggga ggagaggagg agaaacggga gaggagcgtc 120
ggcctgatgg ccggcctcat ggacaaggcc aagggtctcg tggaggagaa ggtgacgcaa 180
atccccaagc ccgaggctgc gctggatcac gtctccttc agagcatcag ccgagagggc 240
gtcagatctg atagccacgt cgacatcagc aaccctact cgcaccgcat cctcatctgc 300
gagatcacct acacgttcaa gagcgccggc aagggtatag cgtcgggcac gatgcccgc 360
cccgggtgga tcgcccgcag cggcagcacc aagctagacc tgcccgtgaa ggtgccgtac 420
gacttcatcg tgctgctgat gaaggatctc ggaggggact 460

<210> 23900
<211> 408
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-015-Q1-K1-A12
<400> 23900

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gcagctggcg caaaacgtca tcatccaca cctgcacgtg cacgacgtca agcacaccat 120
ggcgggcctc atgcgcgact ccccaacgca catcggtcc cgcaccaggg ccgacggcga 180
cggcatctcc ctcttctccg ccaccaacgt ctggatcgac cacatctcca tgtccaactg 240
cgaggacggc ctcatcgacg tcgtgcagag ctccacgggg atcaccatct ccaactgcca 300

cttcaccaac cacaacgacg tcatgctctt cggcgccagc gactcctggc cgcaggacca 360
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<210> 23901
 <211> 443
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-015-Q1-K1-A2
 <400> 23901

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 acgttcatcg aggtggtctt cgagaacccc gagaagagca tcgacaccat ccacatcgac 180
 ggctacgcct tcttcgccgt cggcatgggg cccggcaa at ggacggcagc gtcgcggagt 240
 acgtacaacc tcttgacac ggtgagccgg cacacgatcc aggtgtacc aaggtcgtgg 300
 acggcgggtga tgatgacgtt cgacaacgcg ggcattgtga gcgtccgctc caacatctgg 360
 gagaggcagt acctcggcga gcaactgtac gtgagcgtca tctcgccgga agcgtcgtc 420
 agggacgagt acaacatgcc cga 443

<210> 23902
 <211> 445
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-015-Q1-K1-A3
 <400> 23902

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 cttgatgggg cgcagacctg ggcgtcgcgc agccgcctct cccacgtggc gacgttgcgt 120
 gagcagtgct ggagacgaca tcaggagtgc ggaaggtgga ggggaatcaa ccaactgcatt 180
 ggtgtagatt ggcgggcaac ctgtccgggc tgccatcgtc ggacggcgac caaatctagg 240
 cagcgcgggt gttggtggcc tccaacgagg cctctactcg actgacgtgg tggacgcgac 300
 agccatcgat cgcaaggtgg agataatggt gttctcgagg atcctcgcgt tgcgcagtac 360
 acatagggtca tctaactctg ggacacgcgg accgttcgag cccaagggcc ggaccgtccg 420

cttattatgg tgtccaacac acccg

445

<210> 23903
<211> 391
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-A5

<400> 23903

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tggtcgtcga tgcggtcaca ggttgcgatg gttgtggcgt tggtgttctt ggtgagcggc 120
gcatgggtgcg gtctctccaa agtcccccca ggcaagaaca tcacggccac ctatggcaag 180
gactggctgg acgctaaagc gacatggtat ggcaagccga ctggtgccgg tcccgacgat 240
aacggtggcg gctgcgggta caaggacgtg aacaagcccc ccttcaatag catgggcgca 300
tgcggcaaca tccccatctt caaggatggt ctgngttgtg ggtcctgctt tgagatcaag 360
tgcgataagc ctgtggagtg ctccggcaag c 391

<210> 23904
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-015-Q1-K1-A6

<400> 23904

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ggtcgcgact gctcagtcgc cagggcactt gtgcgcgcaa gcgcgtcatg tccgcgccac 120
cggcttccgc tgttcaggct ccacggtcga gccccctact gtaactcacg ctctagtct 180
cgccgtcgtc tcgccgcggc agcgctcat cgacctgcc cctgtgaccg tgtcgtcgtc 240
ctgagattgc gatccgtttc cgagcttcga ggaatcaaag atcgagcgtt ggcaaccaag 300
agatcaagct ttttgaggtc tacaacattg aacaccctga gcatctgtt ggtgaagggt 360
gcctttggtg taatctatgc tcangtcaag aagaagtcgt cgaggcggat ctncagaat 420
tctaagactt cgacgag 437

<210> 23905
 <211> 321
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A7

<400> 23905

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cagcagtgca attggcaggt cggtaatgta acaactcctg caaattattt ccatgttctg 180
cgtcgccaga tacaccggga cttcaggaag cttttgattg tgatgtcccc aaagaacctc 240
cttcgccaca aggactgcaa gtcgaacctc tctgaatttg atgatcttgc gggccaccct 300
ggattcgaca aacaggggac a 321
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<210> 23906
 <211> 460
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-015-Q1-K1-A8

<400> 23906

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cacggcggcg gcggcggcgg cgctgtgtgt tctgtctgtg tcgtctgccc cggcggcgga 180
catgtcgatc gtgtcctacg gggagcgcag cgacgaggag gcgcggcgga tgtacgcgga 240
gtggatggcg gcgcacggcc ggacctaca cgccgtcggc gaggaggagc ggcggtacca 300
ggtgttccgg gacaacctcc gctacatcga cgcgcacaac gccgccgtcg acgcgggcgt 360
gcactccttc cgnctcggcc tcaaccgctt cgccgacctc accaacgacg agtaccgcgc 420
cacctacctc ggcgccagta ccaggccgca gaggagagg 460
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<210> 23907
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-H4

<400> 23907

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gcttggagtg gacgaccagc ctctcttcca tgggagaact gccattcagc tgtatgctga 120
ttacatgaag agcttcaggg agaacatggc agacttcttg gatgctgggtg tcgttgtgga 180
cattgaggtg ggacttggcc ctgctggcga gatgaggtac ccatcgtatc cccagagtca 240
gggatgggtg ttcccaggcg ttggagaatt catatgctat gataagtacc tgcaagcaga 300
cttcaaagca gcagncagaa gaggctgggc atnctgagtg ggattgcctg atgatgctgn 360
gacgtacaat gacactcctg agaagacca gttctttgcg gataaacgga cataccagac 420
cgacaagggg aagttcttcc tcacatggta c 451

<210> 23908
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G10

<400> 23908

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gcgggaacaa caagactgac agcgacgatg atgccacagc tgcgtaccac tggtagctg 120
gtcctcgtgg ccacggccat agccgccgct cccggagttg ggtttgcgt gaccggccgg 180
atatactgcg acaactgccg cgccgggttc gagacaaacg tgtgcgacgc catacaatgc 240
gcgacagtgg atacgtactg ccgccacttg gagtcgcagc atgtccacca caaagcggag 300
gcaacgaccg cccctgcgg ctgctacagg atggagatca gcggcaacca ccaatacgag 360
atctgcgacg tgcg 374

<210> 23909
<211> 463
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G11

<400> 23909

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ctggtcgtga ccaagaaacc accggctttg cttgggtgggc tgggaatgcc agacttatca 120

atttgtccgg taaactactt ggagctcatg tagcccatgc cggattaatc gtattctggg 180

ccggagcaat gaacctatctt gaagtggccc atttcgtacc agaaaagccc atgtatgaac 240

aagggttgat tttacttccg cacttagcta ctctaggttg gggagtaagg ccggggggag 300

aagttctaga tacttttccct tactttgtat ccagagtact tcacttaatt tcctgcgcag 360

tcttaggctt ctgtggcatt tatcacgcgc ttatgggacc cgagactctc gaagaatctt 420

ttgcattctt tggttatgta tgggaagata gaaataaaat gac 463

<210> 23910

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G12

<400> 23910

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gggacattga gactgacacc accgacattc ctcagcgtcc tgggattgcc atcacttatc 120

attttgtcca cttaaatact cggatctcat gtagctcatg ccgcattaac cgcattctta 180

tactgagaaa tctacctatc cgaagtcgcc actttcgtac cacaaaagct catttatgca 240

caagggtgta ttgcactccc tcacttagat actctagtgt gcacagtaac gccgatgaga 300

caactcctac atactgatcc ttacttagta ttatcagt 338

<210> 23911

<211> 192

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G2

<400> 23911

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gcgggaacag tgctagttgc cgccgcggcc ggcgccaagc ggcaggcgcc ggtgatgttc 120

gtgttcggcg actcgacgct ggacgtcggg aacaacaact tctgtcggg ggcggccgctc 180
cccagggccca ac 192

<210> 23912
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-G3

<400> 23912

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gagagcaaag aaccaggtgg atccatgcct taccaagtgc aatttgaaac gatgcggatg 120
cagattaaca cttttcaact tgaaaaataa actaatggca gttcgaatgt tataataccc 180
tgtaaactct caaattcagg tggctgcaag ttctgcttcc gaagggtgtct gcatgagcga 240
gctgaggcaa tggaacgagt tgtatggtga aggaggctcc agaaagaagg aacaattaac 300
atancttcct tctgagcaat atgaaaatct atggaccatc acacgcaaaa atgtatgggc 360
attttgaaaa gtatagtgc caaaatagtc atgaggaaat aggccgaaca tgtatgagaa 420
ctttgggaaa cgcgggagtg 440

<210> 23913
<211> 417
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-G4

<400> 23913

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agaagttgct gcagctcttt tgtgtcggaa agaaggattc caagaagaaa ggtaaaccga 180
tcgatccact ctggcaagcc tctgcctccc gtcctctgt gaatgtcact gcaaacaaga 240
ctcatttgga tccctgttca agtgggaaatg acactgtaag cgtgcaaaac catgaagttg 300
aatcctcaag tacgggtttt cctcgtgggc aaggacagag catggaactg agattactca 360

tcatacgccc tttagtcana ttcgatgtgt ccaagaattc tcggatcacc actatgc 417

<210> 23914
<211> 357
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-G5

<400> 23914

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tccagtanac agggagatgg gtgacataga ataatgcatg aagaattgcc aaaatcaaaa 120
accacatgct tcttcattag ataataaatt cagagaagaa attatcacag tattagagga 180
aagcttggac ttatggttga ggttcagtac atcatatcat tatatccata aattccaaaa 240
gacatttcat aaagcaaaac ctgaactaca tagacttact gatgcaaaaa ttcatgatgg 300
ctttatgaca ctggttctgc tagtcagtct gttaaaaaca aaactcggct ttccttt 357

<210> 23915
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G6

<400> 23915

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gtacaaggcc ttttagagtt gttggtagaa ggtggtgcaa accatgtgaa ccaatgcttt 180
cttgaaacct gacgtattg caacactgaa cttgtgccga tcctaactca aggtgggttaa 240
aggaaccact tggaccatgg atgtgaacca acccttggct tttgccgaac actatggaag 300
gatcgaaccc aatggaatgc tgggttgaag aaggtaatgc tatggccttt ctgggccctt 360
ggatccttgc tggttaaactg ggggtgcttcc aagttgtgga atggt 405

<210> 23916
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G7

<400> 23916

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gttctcaaac ttgcagttgg atcatatttt gtggtgatca cggatcgtga ttgtgtggga 180
tctactttg gacacgcaat ttttaaagt acaggactaa aagttcttcc ctgcaatagt 240
gcacataaca ccacctttgc tgagcagaaa aaaatggaaa cagaattctt agaactcctg 300
tgaatgcttc aaagaggact attggccttc acttttccta cgatatcaac ctaacacttt 360
ctgcacagag gctacatgat ct 382

<210> 23917

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G8

<400> 23917

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gataaaacga gagaaggatg gcagtgtctc agggagctgt cctattcttg tttctcctcc 120
tcgtcgcagc agaggtggga accatcgatg ccaaaatggg agtagccatg cccatgcatg 180
ccttgataat ggagaaagcg aaacagcagg agaaggagaa gaaggaggag aaaagcacgg 240
agaaggaaga gagtcaatgc ttatcgccga gtctccagtt cgagggcttc tgcttcaaca 300
gcgacagatg cccgccgagg tgtgcatgaa ggagagcttt cccggtggcg agtgcaagcg 360
ggacgtggcc atgcgcaagt gcttctgcaa gaagccttgc tagttcatcg gtcttgctaa 420
ttgttgatgg gtgcttcatt aatttgattt gatgggtctc atggctacga gaaacaaaac 480

<210> 23918

<211> 306

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-H1

<400> 23918

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tactgatttt tctggcccga gattcctggt caaggcaata tgaagtacgt ccttgtcacc 180

ggcgggggtg tgagcggcct gggcaagggc gtcacggcca gcagcatcgg cgtcgtcctc 240

aaggcgtgcg gcttccgcat tacgtccatt aagatcgatc cttaccttaa caccgatgct 300

gggact 306

<210> 23919

<211> 321

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H10

<400> 23919

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atccaagaaa aaagttatac tacatatacc ttctagcaca ttattgaatt acgctcatat 180

gcatgattac atacattaaa atacactttt attcaagaca ttttggagaa aaatatatgc 240

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cttccaaaac tcacatctgc c 321

<210> 23920

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-H12

<400> 23920

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ggcatgatgc ctgggaaggt tctcgggtgct gccatagggtg gagctaccct ctgagaaggt 120

aaatcaaaag tacaagatcg ccagctgtcc aagctatcag aagaggctgt ggaggaagct 180

gaagacgccg tctctgcaaa gcgcctctcg gagcttgagg agaaggatcat tgcactcctg 240

acaaaacccg catcaatgcc tgctgataag gaggaagttc tgcattgctgc tgcctgcccgc 300
 gttagtgcac tggaagagga gcttgagct acaagaaga ccttgagga gactcttgag 360
 cgtcagttgg agatcgttgc atacattgag aagaagaaag aaagcaagcg tttctttcgt 420
 tggtagaa 428

<210> 23921
 <211> 478
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-H2
 <400> 23921

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 cgcgttgccc ctgaagaaca cgaagtgcac gtgtccatga ggccaccctc gtcctggtgc 120
 caatgaaacc tgtttccaag cttgcggggg gagacacgca tacggtgtgg aggtttgccg 180
 taaggctaag gctactgcac aacaaatgca gctcagtttt gctaattttg atgggaaacc 240
 agtcgttaat tgattgaagc attctggttag ttggccgccc cagcgtttgg aacatttttag 300
 gaaatatgct acccggtcgc aaggaacatg cttgcattac ttagttcttg tatgngata 360
 cacctagtgt gttacatttc gtttccgttg tgcgaaaga ctggttgtct gtcgatgtg 420
 ccccgacacg agcaacaatc tgtttggtgt gtacacagaa tggcaacttg atgtatag 478

<210> 23922
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H3
 <400> 23922

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 gaggagacga cggtcgacac cggcgccctg caccggcgga tgcagatcg gcagctccgc 120
 ccggtgcgct gcattcagaat cacaggggac gtcgatgcc tgttcaagtg cgtcgactac 180
 ggctcctgac tgaggatagg caagcatgcg cccagcgact gcgcccagaa cgaactggac 240
 gacgagctcc gagccaaatg agctgctgag tacgttaagc gaacatgaga cagccgaatg 300

gtaccttgaa aggcagctgt gagagttatg tgagacacat g

341

<210> 23923

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-G1

<400> 23923

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ccgggtcgag aagacagaga gattggtgag atagaagaat gcatgaagaa ttgccaaaat 120

gaagaaccac atgcttcttc attagagaag aaattcagag aagaaattag caaagtatta 180

gaggaaagct tggacttctg gttgagggtc agtacatcat atcattatat ccagaaattc 240

caaaagacat ttgataaagc aaaacctgag ctggatagac ttactgatgc aaaagttagc 300

gagggcttaa aacactgggt ctgctgggtc gtctgttaaa aacaagactc ggctgtcctt 360

gaaaagaact tcgtgacttg agtactgatc tac 393

<210> 23924

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E6

<400> 23924

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ggctccctct ccgtcgtcta gcgaccgacc aacgcgccga gcgaagatgt cgtggcagac 120

gtacgtggac gagcacctga tgtgagagat cgagggccac cacctcacgt cggcggccat 180

cgtcggccac gacggcgcca cctggggtca gagcaccgcy ttccccgagt tcaagccccga 240

ggagatggct gccatcatga aggatttcga cgagccgggg cacctcgccc cgaccggcct 300

gatcctgggg aggcaccaag tacatgggtc tccaaggcga acctggagct gtcacccgtg 360

gcaagaaggg atccgggggc atcactgtga agaaaacagg gcagtcactc atcattggca 420

tctacgacga gcccatgact cccgggcagt gcaacctggt ggaaaggct 469

<210> 23925
<211> 355
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E7

<400> 23925

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cgttgctagc tgtagctcc acagttcaca gttccacaca cacattcagc tgcactgtaa 120
caatggccta cttcatgggtt cacgtattga ctgatgctcc cgactaggaa gctgctgctg 180
atgttgacgc ggttgtagac cctccgcaac tgtaagatct ctatatcaga gctgacgaaa 240
gcgctactga cgctgtgggc cacctctgcc gactaggtgc agcgcatgat tgcctagatc 300
ctacaccgac tgctactgct gcatcgactt caacgagttc atcaccttct tcaac 355

<210> 23926
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E8

<400> 23926

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cggatcatcc atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg 120
cccagggcga ggaggagcac ggggagcagt gcgtcaagga caccgccgca gccgcggccg 180
acagtgcgca gctgcagcag caccgccccca ccggcacctg tgagcaggtg gcgcagacgg 240
gccagggcgt ggaggcaggc gtcaaggaca cgggtggcggg cgcggcggtt ggcgtcacga 300
acacggtgtg gcgggcgtgg cggcgggcgt cacgaacacg gtcacgggag cgtggcgagg 360
cgtcacgaac acggtgaccg gcggggcggc ggggtgtcaag gacaccgtga ccggcgggcca 420
ctgatcgacg acccaagaat gcttcatg 448

<210> 23927
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E9

<400> 23927
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 actatattgag gcagatcttg cctctagtagt gaaaacacaa ggttgtagct tttagcaaga 120
 cagattctcg ccttgcaaac aatggcctgc ctctgaagct ccaaaaactt cgctgtcatg 180
 ttaactacaa cgcattgaga tttgccccat ctattgaggc tctaggaaac aagatgatct 240
 caactctcag gagaactgga tcttttgttg tgcttcatct gagatatgag atggatatgc 300
 ttgctttctc tggttgtact catggatggt ctgatgaaga aacagaagag ttgacaacaa 360
 tgagatatgc atatccctgg tggaaagaaa aggaaataga ctctgagaag aaaaggcttg 420
 agggattgtg cccctt 437

<210> 23928
 <211> 360
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-F1

<400> 23928
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 agctgcatca gggagcgacc cgccaccgcc acgcttgccc gcaagccgag aagagtgccg 120
 ggccgggaga ccggacgata attgatccgt agcagattcg ctaatggcgg agacggcgga 180
 catggagcgg atcttcaagc ggttcgacac caacggcgac ggtaagatct cgctgtcgga 240
 gctgacggag gcgctacgga cgctggggtc cacctctgcc gacgaggtgc agcgcatgat 300
 nggccgagat ccgacaccga cggcgacggc tgcacgact tcaacgagtt catcaccttc 360

<210> 23929
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F10

<400> 23929
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ttcacaaactg cttcggctac accggtgagg gtgtggcaat taaagttatc cggaataagc 120
agaccggaca gtctgaagga tacggatttg ttgagttcta cagccatgct gcagctgaaa 180
gggttcttga aggattttct ggtcatatta tgccaaacac tgaccagccc tttagattaa 240
actgggcatc gtttagcatg ggagataggg gctcagatgt tgcttcggat cattccatat 300
tcgtaggcga ccttgcttcc gatgtcaatg atgccacact gctggagggt ttctccagca 360
ggtactcctc tgtcaaaagt gccaaagtcg ttatcgatgc taacactggg agatccaagg 420
gttatggctt cgtgagattt ggagatgac 449

<210> 23930
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F11

<400> 23930

cccactcgtc cggcgatgag agccttggtc ctcttggtcc tgttctgcat cgtgcatggg 60
gggaaggaag agtcaaaggg catcgatgcg aaagcgctcg gtcctgggtg gtccttcgac 120
atcaccaagt tgggcgcctg ctgcaatggc aagacagaca gcacgaaggc tgtgcaggag 180
gcatgggcat agtcgtgctg cggcactggg aagctgacaa tcctcatacc caagggcgac 240
ttccttgtct gacaactcaa cttcacaggc ccttgcaagg gcgacgtgac catccagggtg 300
gatggcaatc tgctgtcgac cactgacctg agccagtaca atgtccatgg taattggatc 360
gagattctac tcgtggataa cctgggtcatc accggcatgg gaaaccttga ctggc 415

<210> 23931
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F12

<400> 23931

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ctgcatcggt catggtgaga aggaagagtc aaagggcatc gatgcaaaag cgtccggggc 120
tgggtgggtcc ttcgacatca ccaagttggg cgccttcggc aatggcaaga cagacagcac 180

gaaggctgtg caggagggcat gggcatcggc gtgcggcggc actgggaagc agacaatcct 240
 catacccaag ggcgacttcc ttgtcggaca actcaacttc acaggccctt gcaagggcga 300
 cgtgaccatc caggtggatg gcaatctgct ggcgaccacg gacctaagcc agtacaagga 360
 ccatggtaat tggatcgaga ttctacgcgt ggataacctg ggcatacccg gcaaggg 417

<210> 23932
 <211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-F2

<400> 23932

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 actcgataat tggttgattt caatacatte aggttcttgc taatttgatc ggttttaaat 120
 gtttgatgga atcggttgga ctgtggaccg aggccggcga atcaatcaag aacgccatct 180
 cctagggttag ggtgtgttgg acctgccatg ggggacaggc cggcgccgat cgagaaggtc 240
 gcggtgccgg agaagatggc cttgttcctc cagccgcccg tcacgtcacc gggacaccag 300
 cagcagcacg gctgccttcg tcgcacgagg cgcccgcgc gaacatcacg ccgcggacaa 360
 cagccaggaa taagcagcag cacctgccgg tgagccccgg ngcgtgcctc tgctcgccga 420
 ccgttcacga gggctcgttc cgggtgcaagc ttcaccgccc cagcggcag 469

<210> 23933
 <211> 364
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-F4

<400> 23933

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 cgatccatga gcgctgccct ccgcattgct cttgatacca tccagtacat cgattctgcc 120
 cccaagatca aaggccggag aaggaggaag aaaggtagg gagtcggcta tggcatgctt 180
 cttcctcctg ccaacgttgt cgtcatctgc cacacgcagc atcacaaata gagagagaga 240

caaaaacaaa gaggggtcga caagcactga cagcaccat gtcaatgtgg cgcgtcttcc 300
gctccctcct tcgcgcccgn ctaggcggtc gggcgcggcg ccgtgccag ccggtgggtc 360
ccgc 364

<210> 23934
<211> 293
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F5

<400> 23934

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gtgagggaca tgcaggcaca taattttcta tctaaggatg cgaagtagag gcgcagaaaa 120
accatccatc ctagagcagc ataagcctgc tgcatttgta atatattcga aatccgtatt 180
ttttttcttc acaagcacta ctctatatac gatgaataaa agggcgacaa tacagtgtca 240
aaaaataaag acgcttgggt ccaactatgc cgacaagggt cagcgcatga tgg 293

<210> 23935
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F6

<400> 23935

catgccggca acgtcgcggt agcgcctgag cgtgaggagc accaacgccg atccgggtccg 60
ggcgatggtc accaggccga gcgtcgccga cgcgtcattc ccatcctcgt gttggacgga 120
ggaaagtaga ggatcaaacg aatgtggcct cagctgaagt gctagacctc ggcgataatg 180
gtggccatcg cgggggggtga ggacgactag atgttgggta ggcgcagctg ctgccgacag 240
aggctgatga gctgttcgtg gacacagggg taggaaggga atgtagattc taaaaatggc 300
cattaactcc gaagccgata ccaaagcttc aagaagacca gtattataat gtcagtgtga 360
gaattgcgtt cttcggaatg ccatcttttt taagcccgtt gtagccgatg ccaacgttga 420
a 421

<210> 23936

<211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-F7

 <400> 23936

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 ggttgtttag gcaaatggtg gaggatgggc tggagatctc agatgtcacg gtgacaggcg 120
 tgctgcatgc ttattctatt actgctgata ggaatgagtg cgagcagcgt tatgcgaatg 180
 ctatcacttg tggatgacga ttcaagctta catatattat atccagacat tgcaatgtac 240
 atttcatata gcctatcctg agatgcatag acttactgat gcaaaagttc acgaagagct 300
 tgatgacact cgttctgctg gtcagtctgt taaacaacac cactcggctg atctttaaga 360
 gaaacttggg gacttgagta ctgatctaca agtttggtcg taaaaaaatg ttctat 416

<210> 23937
 <211> 469
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-F8

 <400> 23937

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 cgagttcctg gaactcaagg cgaagaggag cttccgtttc atcgtgttca agatcaacga 120
 gaacgtgcag caggtggtgg tggacaggct tgggggacca ggtgaaaagct acgatgcgtt 180
 cagggcctgc tttcccgcca acgagtgccg ctacgcggtg tttgatTTTTg actttgtcac 240
 tgatgagaac tgccagaaga gcaagatctt cttcatctct tgggccccag atgcatcgag 300
 ggtgagaagg caagatgttg tacgcaagct ccaaggaccg gttcaagagg gagctcgacg 360
 gcattcaggt ggagctacaa gcaactgagc cgagcgaaat gagcatggac atcatcaagt 420
 cgcgagccct ctgaaacagc ccggcatcag ctctgcatg cccgtcgat 469

<210> 23938
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-E5

<400> 23938

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tgcaggcagt tccttgatcg tatttcctct gctgtatttt ccatgcaata tcttgactga 120
tgtatgctca tgctcagcac ctccaataaa gcgagacatg ctatagcatt gttgaatgca 180
agtgggtatg cagtttgcag tatgcttatg ttgaattgat gtaacttagc cgaactgaaa 240
gaggctgccc cagcttgatt ggaacagagg aatttgctgc tgtttttgtt cttattacng 300
ggaacaacac aagtcaactc taaaaaaaaa ttgtttatga gtctggttat aagggtgttg 360
tttgtactga gatttcattg ttcacttgaa gaaacctctg tcggaggagc agaatgcttg 420
gtgctgttt 429

<210> 23939
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-F9

<400> 23939

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cgaggccagg gccgtttcta gcagcagcag gtagatttct ggtgacggtc actggaaaag 120
gcggacatgc tgcagggcca caggatgctg tggatcccat tggtgcggca tcctctgcc 180
tcgtcagcct tcagcttctt gttgcccgcg aaattgatcc cctccaggct gcagtgggtct 240
cggtcacgtt catgaaagga ggtgatgctt acaacgtcat tccagagtca gcacccctcg 300
gcgggacctt caggagcttg acaacagaag gcttttcgta tctcatgaag aggatcaaag 360
agatcataga aggtcatg 378

<210> 23940
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D10

<400> 23940

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 tggagagccg gtccgcgctc aaattacacc tgacgaacct ggacttactg cataggaacc 120
 tatcaagccg actcctatga aaggagggag ttgtgccccca gcttcctttt atcacatttt 180
 gctatttctg cagtaaaactg ctggctggta ttatgtatta gaattagtct cagcaccagg 240
 agcttgaaga gtggcaagtg acaccgtgta ttctttatct tagtttctgt tgacatacca 300
 ggtatttgta gttggcagac aggcagaatt gtatattatt ctccagggct accagtcaat 360
 taagttgccg tccaagtaag atatgtacac gattttgc 398

<210> 23941

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D11

<400> 23941

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 gtgtttcttg cgagaataag cgtggcaciaa ggttcactcc tatgggtcaa tggcccgata 120
 agtctgtttc attaggagtt actcaagcct tgtcatggaa aagatctggc cttatgggtga 180
 gacccatcat acaagtcagt gtgtgcccta cgtatggagg aagtgatcct ggggtacgtg 240
 cagaagttgt ccattcattg aacgaggaat tgaatctgat gtgtggcctc tcttgctcac 300
 agcgcccatc atcttatact gctctctcta ttggacgatc aaagtggaat ggtcaagtgg 360
 gcagttcttg agtggtaatc acctt 385

<210> 23942

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D12

<400> 23942

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 cggcatgcgc ctgtcgtccc tctcctcgt cgtggccgcc ctctcggcgc gcgccgcggc 120
 gcagcaggtg ccgccggtgg gcggcagcgc tctgaagccg gactactaca gccagtcgtg 180

cccgcgcgcg gagcggatca tcgcggaggt gatgcagacg aagcagatgg cgaacccgac 240
gacggccgcg ggcattgtgc gcgctcttctt ccacgactgc ttcgtcaccg ggtgcgcgcg 300
gtcgggtgtg atcgcgtcca cccagttcca gaagtcggag cacgacgcgg agatcaacca 360
ctcgtcccc ggggaagcct tcgacgccgt ggtgcgcgcc aagctggccc tggagctgga 420
gttgccccgg gtgg 434

<210> 23943
<211> 360
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-D2

<400> 23943

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attaggagtc aacgaaatgt tacctactag actgggggtc ttaaatttat gtctggattg 120
gtagaagaac cactcttgaa aaaagggaa caaggcggct aacttggtga gaattactac 180
gtgaaaggaa cccgcaaaaa tcttatatta ttcggctcat ggaaaggatt tgagactgtc 240
acaatcaaaa taaaagtttg ataaatggcc ccaagaaagc tgatgcagtt gtgtcggatt 300
gaaagcagan ngaaaagtgg cccagctctt cttaagcgac aaggatttaa tttcaagatc 360

<210> 23944
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D3

<400> 23944

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tgtcgtcgga cgacgaggtc agggaggaga aggagctcga cctctcctcc aacgatgtcg 180
tcaccaagta caagactgcc gccgaaatcc tgaacaacgc tctgaagctg gttgtgtctg 240
agtgcaggcc aaaagcaaag attgttgacc tttgtgagaa ggggtgactct ttcataagag 300

agcaaaaactg ggaatgtcta caagaatgca aagaggaaga ttgaaagggg cattgctttc 360
ccaacctgtg tttcggtgaa caacacagtc t 391

<210> 23945
<211> 334
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-D4

<400> 23945

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aagctgtcga cgggcatcaa gcgcgcttcg cggtcgcacg cgtaccatcg ccgtgggctg 120
tgggccatca aggccaagaa cggcgggcgcc ttccccaagg cgcacaaggc cgccgccgcc 180
gtggaacca agttctacce tgccgacgac gtcaagcccc gcgttcccag caccgcgaag 240
cctaagccta ccaagctcag gtcgagcatc acgcctggga cggtgctgat cctnctcgca 300
gggcgcttca tggggnaaag agagtgggtg ttct 334

<210> 23946
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D5

<400> 23946

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gccggcgccg ccaccacgcg cgcgggagac agagaccaca gccgcagcca ccgacgggcy 120
gaataggaat ggtggcgccg gggggaggag caggaggagg tccgttgccg tggcccggcg 180
gcggaagagg aaggatgcgt gcatattagt ttccgatgac cccacctgat catgtaccta 240
gctgaacaaa tgggactgga actgatcttg tcaaagttgc atgatctcaa atgggaatac 300
ccccatcttg aactgtacg gaagaaggcg gtggagatta gtggaaggga tgaacaagag 360
gttatggttg ctgcttgccc ctacagaatt tgccctctgg gggctcatat tgatcatcat 420
ggtggagtag tcaca 435

<210> 23947
 <211> 410
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D6

 <400> 23947

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 cccagcggc actcgacacc gaggcgcgca gggtagatca gatatccatc atccgcagac 120
 cacaagactc acttcaatag gaatactggc tccaactccg agtagcatga taaggctcctt 180
 ttcactgacc taaatcggat gacaaatgat gcgtgcatat taatttcgga tgacaccacc 240
 tgatcatgta cctatctgaa caaatgacac tcgaactgat cttgtcaaag ttgcatcatc 300
 tcaaattggca aactcatatc gtttgacact gtacggaaca aagtgttgga tattactgga 360
 aggcatgaac atcatgttat gggttgctgct tgcacctaca gaatttgccc 410

<210> 23948
 <211> 251
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D7

 <400> 23948

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 acgatcactt tcacgaggcg cgcggaaatc atatactaca tacgatcata tctactgcct 120
 gaataacaat cataccgcct tactaattca tatgaacctg accttacctg taccctcta 180
 aagcataact ttcatgcata catattacat acctattaca ctacctgatc atgtacttaa 240
 ctcaacaact a 251

<210> 23949
 <211> 467
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-D9

 <400> 23949

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aagatggcat cagcagagct ttcccgtgag gaaaatgtgt acatggcgaa gctcgccgag 120
caggcagaga ggtacgagga aatggttgag ttcattggaga aggtagcgaa aactgttgac 180
tcggaggagc tcaactgtgga ggagcgcaac ctctgtctg ttgcatacaa gaacgtcatt 240
ggagcccgcc gtgcctcatg ggcacatc tctccatcg agcagaagga ggagggtcga 300
ggcaatgagg accgtgtaac actcatcaag gactaccgtg gcaagattga aactgagctc 360
accaagatct gtgatggcat cctcaagctt ctggaatctc accttggtgc gtcttccacc 420
gctcccgagt ccaaggtctt ctatctcaag atgaaagggg actacta 467

<210> 23950

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E1

<400> 23950

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aaagggttaa ggtaaaaaag gaaaaagatg cgataaaaat ctacttaaaa aataaaaaata 120
aataaaaaaa taaaaaatta ataaaataaa aaaaataaaa aaaaaaggcc tctcctttta 180
aaatttccca atttaattcc ctttctttta cacctttaac ttttttttat tttcacctaa 240
atttaaatta ctttgcccct tttttaaaaa ttgatttttt taaaaacctt tgttttt 297

<210> 23951

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E10

<400> 23951

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cgagaatcgc aagactctaa aggccgtcgc cttcccattc ttctcgcgg cgggggtcgc 120
ctgagatcac ataaacaatg gtgaaggctg ttgctgtgct tggtagcagc gatggtgtca 180
agggcaccat ctttttcacc caagagggag atggccctac cgctgtcacc ggaagtgtct 240
ctggcctcaa gcctggcctc catgggttcc atgtacatgc acttggtgac accaccaatg 300

gatgcatgtc aactggacca cactacaatc ctgcgagcaa ggagcatggg gcaccagaag 360
 atgagaaccg ccatgctggg gatcttggaa acgtgacagc tggaacagat ggtgttgcta 420
 atatcaatgt caccgaca 438

<210> 23952
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-E11
 <400> 23952

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 atggaacctt tgagaatctc attacgctaa aggcttctc ctteccattc tttctctcct 120
 cttttgttct cctatatcac ataaacaatg gttaatgctg ttgctgtgct tggatcatc 180
 tatggtgtca agggctccat ctttttcacc caagatggag atgtccctac cgctgtcacc 240
 tgaagtgtct ctggcctcaa tcttggcctc catgggttcc atgtacatgc acttggtgac 300
 accaccaatg gatgcatgtc aactggacca cactacaatc ctgctagcaa ggatcatggg 360
 gcaccataag atgagaaccg ccatgctggg gatcttggaa acgtgacaac ttgatcagat 420
 ggtgttgcta atatcaatgt caccgacagc ca 452

<210> 23953
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-E3
 <400> 23953

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 ggccgagagc gggctcgcag atgtctgcag cggcggcgtg aaggagcttg tgccggaccc 120
 gggccacttc gagtggccgt cgggctgcga tctggggctc tactggggca ccagcgtgtt 180
 cgccgacacc gacccggcgc tgttcttgaa cctgccgtga gccgtgacaa cgccacggcg 240
 tccatgtca actaatcaac catcacagc cccacgagat agatgagatg tgaaccgagc 300

acgctgtagc gtcaagctct tgaaggcttg aagctgtgct gtagtntcct gagcttacta 360
 gcgatctctg ctgggtctctg atctgataat ctcttactag tcgccgggtg tgctccgac 420
 tagtaa 426

<210> 23954
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E4

<400> 23954

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 acgtcatggc tgactgtcag cacgttaca cctatccaaa ctccaaccat aaatgtaatt 120
 taatacatat caatactatc atctcatatg ctctatcgac tacaaccaca tcacatattc 180
 tatcatacac catcaccaat gtgccacata ctataatatc atccattatc acagaattaa 240
 aacccaagct catatatattcc atcatgactc aactcaacaa accgatcaca cctacaccta 300
 cctctcttat cctgagtact cacaaaatac ataatcatcc aac 343

<210> 23955
 <211> 292
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-D1

<400> 23955

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 gtgagatgag catgggagcg gtatagtggc gcgatggcg aggttgctcg ccgacgctgc 120
 gactccagcg aacaactctc ttgtgctggc tgcggcgagg actcaccgga gcgacccctt 180
 cgccaacctt accgcgtaca gcggcggtg gaacattagc gacgagcact actgggcttc 240
 cgtgacgtac accgcggtgc cctcttctc catggccgtg ctgtggttcg tc 292

<210> 23956
 <211> 294
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B3

<400> 23956

tgtacacatt cgatcctgcc acaatgaatt tcagaagtggt ggagctcgtg ttctcaagta 60
tgtttaacga tgtcaggccc gtgcaacggc ttgggtgtgtg cctatgatat aaaaggcgat 120
gctgaggtct tgaataccac aactaggaag catttgaggc tcccagattc accactcacg 180
tcacgggctc ttactccga atatcctgtt ggattcgtgc actctacaac acagtacaac 240
gtgagctcta tatgtcacac atgtgcgcta cttgacattc gcaatctgaa ctat 294

<210> 23957

<211> 298

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B4

<400> 23957

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tgatgcctgt agacgggact cgagagagaa ttccagtagc ctgagtcgaa agctgtgcaa 120
agacacctta tgaacaaga aagtagtttt gcaagcagca gttactgact gacagtacca 180
cgccctcgac taagcagcaa gcgtcggaag acaatgcaaa agcaggatta ctggatctgg 240
tggaactgtg gaaataaggg ttaaaggaga ttgctgcga ttgacagact ccgtcaaa 298

<210> 23958

<211> 288

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-B5

<400> 23958

cccacgcgtc cgacggcgtg gtgggtctag agctggctgg cgggcgtgct cctgctggtg 60
tggggtttgt ggcgtgtggg ctggatctgc actcagcagc tggcgtggc ggccggtggc 120
gggtgcatcc atggcaggtt gggggctcgt gcatgtgctg tggcacgggg ctctcttctt 180
tgccaccctt tccctacctt aacggcctgg ctactggtaa tggcgggcat caccgtgcag 240
ccgtgaggag cgaaggatct ggctnctcaa tgggtggtgt gtggccgt 288

<210> 23959
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-B7

 <400> 23959

gtcgttcggt cctcaagtga tcttaatcgt cgagaagtta ccagctagcg gagggcatcg 60
 ggaatgtcga acatggggca atccttccag gccggcaagg cgcaggccca gggcgagtgc 120
 caggcggagc gcgcagcgca gtgcgttagg gacggcgccg gcgccaccgc ctgcgccgtg 180
 accgacaccg ccggagccgc ggccgacagc gcgcagctgc aggagcaccg cgcgcgccgc 240
 accgttcagc aggtggcgca gacggcgccg ggcgcggcgg cagccgtcaa ggacacgggt 300
 ggcggggcgc gcggcgcccg tcaaggacac ggtggcgggc gcggcgccag gcgccaatga 360
 cgcggtgacc ggcggccact gaccgactca cgcgcgtaga ccggacngcg taccaacaat 420
 gct 423

<210> 23960
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-B8

 <400> 23960

ggggataaaa aaggcacagt ttttggtggt ttagttgagg cccattgca gccatctagt 60
 tgaaagaagg gaccaataat tcctttgttt tctaattt acacaatcgc cctgtcatct 120
 atcgaccgac aggtgcaaat aactacttta cgatgtgctc taccgactat ttggctctgg 180
 ggggaggagg tcatttcgca ctttatcttg acgcagacct tttgattggt tcaagttcta 240
 attcagagac ttttaacaac ggggtgttat cgcattcttc agacttctca gtgaaagatg 300
 ttgaagcttt ggggcttcgt ctacccttcc aaatacgagg agatgctgac actctgccgg 360
 actgagaaac caggaatctg tccatggtga gtggtgacca atccc 405

<210> 23961

<211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-B9

 <400> 23961

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 cgtcgtccgg cgagccccgag agtaggaggc catgacgctt gcgagcacgg acaaggtggt 120
 gctgggatgc gtcgcgttca gcatcttctg ggtgctggcc gtgttcccgt cggtgccgtt 180
 catgccggtg gggcgcaccg aggtgtccct cctgggccc atgctcatgg tgctgttccg 240
 cgtgatgacc cccgactagg cgtacaaggc gatcgacctc ccgatcctgg gcctcctatt 300
 cggcaccatg 310

<210> 23962
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-C1

 <400> 23962

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 cagatcatgc atcggcaatg tcgaacatcg ggcagtcctt ccaggccggc aaggctgagg 120
 cccagggcga gtaccaggcg gagcacgcgg cgcagtgcgt caaggacacc gtcgcagccg 180
 cggccgacag tgcgcagctg cagcagcact cgcccaccgg caccgttgag cagggtggcg 240
 agacgggcca gggcgtggcg gcaggcgtca aggacacggt ggcggggcgc gcggttggcg 300
 tcaacgaaca cgggtggcggg cgtggcggcg ggcgtcacga acacggtcac gggcgccgtg 360
 gcgggcgtca cgaacacggt gactctgcgc gcggcgggtg tcaaggacac cgtga 415

<210> 23963
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-C10

 <400> 23963

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 atcctaagat atcataattg cactatagtt tatttcggac cggatttcaa gttacatatt 120
 atatcatata catatatata attattacta ccatttcgat aatacatatc aatactaaac 180
 tatctattaa gatttattac aactaaatta tctacaatta ttaacatcta aattaaaact 240
 atacattata atattctact aaccataaat ctctttcaaa aaaatcaaac ctggtccatc 300
 acataattat acaattcaac atacaattca cctatcataa tatca 345

<210> 23964

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C11

<400> 23964

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 agcccgaaat tttccggcgg gttccttgcc gcgaatcgat tgatttcgag cgattcgact 120
 cctttgtgat ctctcggcgg ggtagagcgc ggtcgaccgt cggccatgtc gaggtgcttc 180
 ccctaccgcg caccggggta cgtgcggaac ccagtggccg tggccgagcc ggagtcgacc 240
 gctaaggttt gttgaacctt cggatttaca cacgcacgtg ccagatcggt tgttcaatct 300
 gtaggttttg cgcggatctg tggtttgccg gtgcgtgatg tgggtattgc ccgtgccttg 360
 aaagctaacc gagctgagga agtgtatgga tcttgtgtag ctgcacgagg tcctccaaat 420
 cgattggtaa aattaagttg tat 443

<210> 23965

<211> 238

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C12

<400> 23965

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 tagaagccag cgcattggaa gtaaaaccga cagacctcag ccctcatgca agcctaccgt 120
 cgacttacca ccgctccaac ccgagagaaa gatggagacg atcaagacga tcctcatagc 180

cgcgcttctc gtaatcgccg tctcgggccac cgcagtgtg acctacaccg atgtcgac 238

<210> 23966

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C2

<400> 23966

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ggcgcgacga tgaagaaagc ggcgggcggc gcggcagtc tggctaccct tctcctgtcc 120

tcggcggtgt ccgccaccgg cgtgtccggg caggaaccgg ggacgaacca acagacggcg 180

ggcaacaacc cgcgggtgca caaggcgtag gtggcgctgc aggcgctgaa accgcgcgat 240

cacggaggac ccaggaacc ttgacgcggg ctggtgcggg ccccaacgtg tgcgcctact 300

tcggcgtcta ctggcgccgg cggcgcccga cggcgacgc gacacggaca cgcagaccgt 360

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<210> 23967

<211> 287

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-C3

<400> 23967

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aggggctacg acatgatcga ggagatcaag acggagctgg agaagaagtg cccgaacgtg 120

gtgtcgtgcg cagacatcat ctcggtgagc gcccgcgact cggatgaagct gacggggcggg 180

cccaggtacg cgggtgccct gcgaccgcgc gactcgttgg tgtgcaaccg ccaggacgcc 240

gacaacctgn cgggctcaga catcgtgtg cccaacctca tcgacga 287

<210> 23968

<211> 258

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C4

<400> 23968

ctgacgcgtg ggctgacgca tgcgccgtcg tatacttact acttcgtcta catcttcgcc 60
cagcccagcg aaaacgtcta cgcgattctc cgtgctctcc taatccacac cgtatactcc 120
gcctcctgcc gagacgacag gtacggcagc atccgtgact caaccaactt actgctttca 180
acaacctccg gctgcacaaa gcgtacgtgg ctctccaagc gctgaaacac tcgatcactc 240
aagaccccat gaacttta 258

<210> 23969

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C5

<400> 23969

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gatccgtcga gaaggaggac attggcacga ggcgaggat gatggggacg acgacgagga 120
agtctaagtt cagcggggccg tgcagggcga cgaacccgat cgaccggtgc tggcggtgcc 180
ggcaggactg ggcgacggac cggaagcgcc tggcgcggtg cgccaagggg ttcgggcgca 240
acaccaccgg cgggctggcc ggcaagttct acgtggtgac ggacggcacc gacgacgaac 300
gtggtgaacc cgcgccccgg cacgctccgg tggggcgctca tccagatcga gccgctgtgg 360
atcaccttcg ccaagaccat gatcatcacg ctcaaggagg agctcatcat ccgcggcgac 420
aagaccattg a 431

<210> 23970

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C6

<400> 23970

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acgagaagga cgcgctggac ccgccatgt acaacgtgga ggccggcaag acgtaccggt 120
tccggtctg caacgtgggc atcaaggcgt ctttaacat ccgcattcag aaccacatca 180

tgaagctggt ggagatggaa ggctcccaca ccatgcagaa cgactacgac tcgctggacc 240
 ttcacatcgg ccagtgcctg tcgttctctg tcaccggcga ccagaagccc ggcgactaac 300
 ctgctgggcg gtgtccaccc ggttcatcaa ggaggtgaac agcatcacgg ccgtgatccg 360
 ctacaagggc ttcaacgccc cg 382

<210> 23971
 <211> 241
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C7

<400> 23971

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 ggggcgctgg tgctggccgg cgacgccttg cacacggcgc tggccggcag atgcagtttc 120
 gactacaagg atgccctaag caagaccatc atattcctgg aggcccaacg ctccgggaag 180
 ctgccgtgca gcaatcgcg t caagtggccc ggcaacttag ggcttaacaa cggcaagctc 240
 g 241

<210> 23972
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-C9

<400> 23972

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 ctttagacaa aaagtaactc taatatagca gtttcacaca cgctcagggg acaactccaa 120
 aactgagtgg gctgaagact taacacggtc taaaagctaa agcctatggg cgagcagcaa 180
 ccggtgctgg agatggagct gtaacagcag caccaggacc agggctgtag ctttcttgct 240
 caccatcaag cctatcctac atgcgcacgt tccacttcga ccgtttgctc tctatgcgct 300
 gctcacatct caacactgat accacctcat atg 333

<210> 23973
 <211> 387

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-B2

 <400> 23973

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 ggaaggggtct ggtgtcctga cggcgctgca ctgatcgatc atcagctggc ggaggcgatg 120
 cgacgatgat gcagaacttt gtacatgcgt ggtgggtgtg taacatagtg tggctggcaa 180
 caagccatgc tcatgcaaac cgatgaatct atctctgtat catgcatcga tctcggttgc 240
 ttgctagtcc cgactccaga ctccagacat ggctatatat agctggtgct aataaatagg 300
 agtattaatc gtcaaataatc gatcgattgc gtgtggaatg ccaatcaagt gtgtaatctg 360
 ttcccagata ccaacccttg gttcctc 387

<210> 23974
 <211> 309
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-A10

 <400> 23974

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 tcccattatg atatcaatct aattataatg ctctttcata cagtctcata cttcattcac 120
 atcttaaacc ttacaacaac atctcaaccg atacataact gacataactca acctctacaa 180
 tgtactataa ctcaactcaca tacaccttca ctacctcgtc ccacatctca cacctcccat 240
 tgtaatacta ctacttattc taatcaatcc taatactagc gtacacaata tatctctaca 300
 ctccactta 309

<210> 23975
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-A11

 <400> 23975

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ttttttttat gtttttattt tttttttttt tttttttttt tataaaaaaa ttttattttt 120
 ccatttaaaa ttaaaaaaat tattttcaatt tcaattttcta cttttttaa ataaaaatttta 180
 ttaaaccacaa ataaactact aaactgaaat tgcaaaaaaa caaattataa ttaaccacaaa 240
 cacaaaaaca catattatca tggatctcat catcttctaa atacaatgat cactcatatc 300
 ctataaaacc tacaaatttt ttatccccct aataaaaaaa ttgcctaaaa 350

<210> 23976
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A12

<400> 23976
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 aggtggaggt catcagcaac gggcggtaca agagcgctcat gcaccgcgtg ctcacgcgcc 120
 ccgacggcaa ccgcatgtcc gtcgcgtcct tctacaaccc gggcgccgac gccgtcatct 180
 tcccggcccc cgcgcttggt ggcgcgcgcg aggaggaccg cgcgaggcc gtctaccga 240
 gcttcgtgtt cgaggactac atgaacctgt acgtgcgcc caagtctgag gccaaaggagc 300
 cccggttcga ggccatgaag tcggccatcg ccaccgcgtg agcaaatact gacttccgct 360
 gccggcttcc ttcgtggcgt caagccttga ggcttgaacg aacaacgtac gtncatgtgc 420
 ttatagtggc acagttatgt gtgtaactac cgatcgtgga a 461

<210> 23977
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A2

<400> 23977
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 gaggaggtgg acagcctcag cgaagatgac gcccatgcc atgtggaggt gcggctcgat 120
 atggcagtgg aaggcccaca cgcgcgggtt gtccgccacg aaccggagca tcgtccaccc 180

gtacggaaaag atgaccgccg tgttccgcag cggcgggtcc cggaggttga gccgcgcttc 240
 gtcggcggcg tccccgcggg acgcgcgcgc gccgtagccc agcaccaga agtcgtggcc 300
 cgtggaggtg cccacgggtg cacctcgtg acgttgccgcg aca 343

<210> 23978
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A4
 <400> 23978

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 gggagtgcgc ctttgaagaa tggatgaattt cagaagatgt tggaaatgga atcacagaaa 120
 actatagtgg taaattgccc tgatgtgagc atccctgtag tggaagagac aaaaccactc 180
 atatgcggaa tcaactgaatt ggatgatggc cttttcaagg acaagcaact ttccactaag 240
 gagattgcaa cgtatggatt gtatctttgc cccttatggt ttgtgacaga gtatttatcg 300
 aatgcnagcg ccttgcaaga actagtgttg ccagtaccac agtgctgtct tcaacttcag 360
 gactcttcac tcttttcatt ggtgtttact tggccaagac tccataaatg ctgcgaaaagt 420
 t 421

<210> 23979
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-A5
 <400> 23979

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 ccgcctcagt gacgacaacc agcctgctgg cgctggcgct ggcagcgctg gctttcgtct 180
 ccagggccgc ggcgcagggc aacggctgtt ccagcgtgat gatgaccctg gccccgtgca 240
 tggacttcat ctccagcaag gcgtcggagc cggggatctc ctgctgctcg gtgctnggcc 300

ggagtcgtgc agaccgaccc ccgctgcctc tgcattgtac tggacggcac tgccacgtcc 360
 ttccggcatcg ccatcaacca gaccagggcg ctggagctcc ccggcgtctg caaggtcaag 420
 gcgccgncgc tcagccagtg cacagggcgc cctg 454

<210> 23980
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A6

<400> 23980

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 gacaggtaca tgcgtagacg actgaaggcg gcacgcacg cggacggcaa gcttgagtgg 180
 ggacaccgtg ggccgaccga cgctggcggc tacaacaact gatcagagga caccggctta 240
 ttgcgtggag acaacggtgg gtggagcacc gactactgtg acttttttct gtcctggtac 300
 tcagctagat gctgctggag cacggtgacc gtaatctggt cgggcaccac attggcattt 360
 ggtgcggcat ccgcataggt cagacgaaag gtctccagct tccactggta ctacaggtga 420
 aggtgccacg cctcag 436

<210> 23981
 <211> 332
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-A7

<400> 23981

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 cggcagtgcg tgcgggatca agaacgtgaa cctgccaccc tacagcggca tgacggcgtg 120
 cggcaacgtc cccatcttca aggaccgcaa gggctgtggc tcatgctacg aagtgagatg 180
 caagggaaaa cctgaatgct cgggcaatcc tgtcacgggg ttcatcacag acatgaacta 240
 cgagcctatc ggtccctacc acttcgactt gagcggcaag ggccttcggc ttccctgggc 300
 aaagcccggg ctcaacgaca agcttcggca ct 332

<210> 23982
 <211> 467
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-A8

 <400> 23982

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 caagtccttc gggaagcgag aggcctgcac ctactggttt agtaattgac ggacctgtcc 180
 taaaagatgg tcatgcttgg actcttggtt ttgaagcaat catcgaagaa ggggggttcat 240
 cgtcaagaat ggaggtttct tccagtggag tagctggacc tagtttgagt tctgtggaag 300
 caaaggcgaa tccccagaga aagaagcctc tgagataaga gagcagtcca tggttggcca 360
 tgtcgaagca catggagggt ctgtcagcca tgctgaccc tcatgtatctg atataagttc 420
 tcagccgagt actgaaagtt caacaaatgg tgattctggc agtgggtg 467

<210> 23983
 <211> 358
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-014-Q1-K1-A9

 <400> 23983

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 cgcgttcttc gtcccacgct ccgtctttat ttgtaatctg aagcttacag gaacatttga 120
 gtggatcatg gacggattgg taggcctctt gaaagtccgg gtggtgaggg gcatcaacct 180
 tgcctaccgc gacgcatgag gcagcgatcc gtatgtcgtc ctacgacttg gcaagaagaa 240
 acttaagacg agcgtgaaga agagatctgt gaaccccatc tggcacgagg agctaactct 300
 gaccgtcaca gatcccagcc tagctctgaa tgctgagggt ttcgacatgg acacgttc 358

<210> 23984
 <211> 367
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-B1

<400> 23984

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 acatgcaaga ggcgncgccc tcgcgggccag gccggggacg acgaggacga cgacgacggt 120
 cgcgcgggcg gcggcagagg ccgctttctaa cgggtcagcg gcggcggccg tcgcagggat 180
 cagcagcagc agcagcgcg cgggtgacct gaccgtcggg aaatcgacga acatcctgtg 240
 gcatgagtgc gccatcgggc agaaggagcg acagggctctg ctgaaccaga agggctgcgt 300
 cgtgttgat cactggccta agcggttcaa ggaaaagcac gtcgcgtgc gcgctgagcc 360
 gcgagct 367

<210> 23985
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B10

<400> 23985

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 cggagagtcc tgtccacgac cagcctcagt tagctacca ccatcagcg caaagtcgtc 120
 acctccacct gtcctgtaa gcttgccacc tctgaagta aagtcttccc caccaccagc 180
 accgattagc tctccaccac ctccggccaa gtcaccacct ccaccgtccc ctatgagctc 240
 acctcctacc gctgtgaagt ctacacctcc accagcgccg gtcagttctg caccacctac 300
 aatgaagtcc ccaccgtcgg cagcaccaat tatctctccg ccaccagcac cagtgaagcc 360
 accatcgcta ccaccaccag cccagtaag ctacctgct actgcggtca cct 413

<210> 23986
 <211> 459
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-014-Q1-K1-B12

<400> 23986

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gagagtcaac gaaggaaggc agtgctgcca aggcacctga gtctgccaag agaactgctg 120
cccccgctga agcaccgaa gccgcatcca cccccgtcgc cgccgctgcc ccatcgccgt 180
cgtctaggaa gtctgggtcca gctaccgctc cagccaccgc ctctacaccc ccttcttcca 240
cggacgagga gttgagccct tccccgccag catccaccgc cgccggcgctc cctgcggctg 300
anggaccggc tgctgatgac tccgccggtg ctgctgccct tggaagtgga gctgccatcg 360
ccggcggttg cgctgctgtt gctaccatga tcttcttcta ctaaactcac cgacgatggt 420
cgtgtccccg tgagacatta tgggtggacac gtaattggc 459

<210> 23987
<211> 460
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-014-Q1-K1-A1
<400> 23987

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gggcnnggcg cgtctgttcc gtgcatccac cgccccggtc gtctcccggc cagatccctc 120
tcctgcaagg tttctttgct agtggccgga gaagatgatg ggcgggttcc tctccagggt 180
cctcctgctg gcttttggct atgcctatcc tgcctatgaa tgctacaaga ccgttgaact 240
gaacaaacca cagattgagc agtcatatt ttggtgtcag tattggattt tagttgccct 300
gtttgacagt tttggagaga tttggagatt ttacaatatc atggctaccg ttttactcag 360
aagcaaagggt gttggtcttt gtatatgtt ggtaccctaa gacaaaggga actacgtatg 420
tttatggaac tttctttaag ccatatattt ctcagcatga 460

<210> 23988
<211> 379
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-G10
<400> 23988

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tgtgtacta caagacatgc ttgaggtgca gccactgcaa gggcgtcctc tcgattagca 120
gctactcttc catggacggc gtcctgtact gcaagacgca ctttgaacag ctcttcaagg 180
agacagggac cttctcaaag aactttcaag gtggagcatc ttcaaacaag aacgacccgg 240
caaaggctcc aagcaagcta tcatctgcat tctctggaac tcaagataaa tgcgcggtct 300
gccagaaaac agtgtatcca ttggagaaat ccccgtaatg ctagttctac cacaagatct 360
gcttcaaatg ctctcactg 379

<210> 23989

<211> 204

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G2

<400> 23989

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cccgcgcatac tactctgtgt ccaggctgca accctgggct ccagaaaagg gtgtgtgcct 120
gccacccccca accgcgccga agcgggtctga ccatcttggtg ctcggttctg ccgccggaca 180
ggactctcct gactgtctac agtg 204

<210> 23990

<211> 372

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-G3

<400> 23990

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caaatgagaa agtagcaata aagaagatac acaacgtttt cgacaaccgt gtggatgcac 120
tacggacctt gcgggagctg aaactccttc gccatctccg gcatgagaat gtcattgctt 180
tgaaggatat aatgatgcca atacacagga taagctntaa agatgtgtac ttggtatagc 240
aactcatgga tactgatttg caccagataa tcaaatcacc tcaaggcctt tccaatgacc 300
actgccagta ttttcttttt cagatgcttc gaagacttaa atatcttcat tcagcagaaa 360

<210> 23991
 <211> 377
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-G5

 <400> 23991

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 cggcgggtgct cgtcccgagc gctcgtgagg gctcctgagc cggcgggggc gacaagttcc 120
 tggcggccgt gcgctgcgag agggcgctcc ggctggagcc gctggtgagg gacgcggggg 180
 ccctgctgct gcgaggggtc cccgcgacga cggccgccga cttcgaccgc accgtcgagc 240
 ccttcgggta cgaggagctg ccaatcgctg gcagcgctgc gccgtggacc aacgtcgagg 300
 gccgggtggt caccggcaac gactttggcg ccgaacagaa gatcccctat caccacgaga 360
 tggctcaagg tccaaca 377

<210> 23992
 <211> 264
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-G7

 <400> 23992

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 ccgccgtcgc cagcggacgg cgagataccc ttcggacacg acgccgtcgc cttgtccttc 120
 ttcgtggcgt gtgtggccgt caccgtcgcg ctgcgctcgt ccatgtgctc ggcatgcggt 180
 cgcaagccga atgcggccac ccgtgcagac ccggccgctt cggaccagtc cgtcgggacg 240
 ggctcgggct ctgtcttcgg cagc 264

<210> 23993
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-G8

<400> 23993

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aggcggcagt caccagacgt gctgggcgaa cgatgcagct cgaagtgact gggctcttag 180

tcatgaggat aagctgcacg acggcatcta caactgacag tgccgaatac gagcgagtac 240

acctgttggt gtgcgtaaaa aggacaagat cagaaccggg ccagactaat catggggagc 300

ggct 304

<210> 23994

<211> 409

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-G9

<400> 23994

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aagactcaca aacattaacc gtagctngca ggccctacgc ggccggtgcc cggctctgcgg 120

agaggaagcc gatccaagga cgatgccgtc ggacatatac cattgcagac acgcagaccc 180

gtcaagtgct gactgaaaac atgtctggcaa tgcacaagag agcgtgtcag ctctgaaacc 240

atcatgcggg tctaaacacc atgtgcgcgt cgatacaacc gaaccaggca tccggcgagt 300

gagtataaaa ccggcaatct agaggagcct agatgcacat atcagaactg ctcaagtcgc 360

gtaaactgct atatcatatt aaacaggcat acattacaac aataagcac 409

<210> 23995

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H1

<400> 23995

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cgccgcgttc gacaagaccg gcaccatcac cagaggggag ttcagcatca aggacttcca 120

tgtggttggg gacaaggttg aaatgaacca gctactctac tgggtatcta gcatcgagag 180
 caaatcaagc catccaatgg ccgctgcact tgctgagtag gctcagtcca aatctgtaca 240
 ggcgaaagccg gagaacgtga ccgagacctg catctatcat ggcgagggca tctacggggt 300
 gatggatggg aaacagatct acattggaaa acaaaggatc ataactaggg tcttgtgtcg 360
 tc 362

<210> 23996
 <211> 451
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-H11

<400> 23996

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 gatccagccc tctgatactc gtcttctttc acctctccaa catgaaggta aacaccaaga 120
 tcaagctgga gccggatcatg gcgcgcgtcg cgtccctgcc gccgagcgcc agcgagctac 180
 ccgacccgcc gtcaccgttc agctccaaca cggcgaccca ccccgctctc gtgcccacca 240
 cacctagggt gtctttatcg tgctcgctcg tcggccacat ggtgaccccg cccaccgaca 300
 caccgccgat caccgccacc aagaagcagg aacaagccga agccgacgcc ggaggccgtc 360
 accgcggcga actacgcgtc gttgtggctg cccaagcgcc tcatgcagcg cgctgcccgc 420
 gctttccgnc gcagcaggta gcgcgcccgc g 451

<210> 23997
 <211> 336
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-H12

<400> 23997

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 attatttggc tggaagggtt atcagttatt tgcaacagtg aaggaacatc taatgcttaa 180

tattgatgac ctaagcatta tcgagcataa cgaggacatt gggacagtca agaataaatc 240
atctagggaa accattgcac attcaccnt catggcttat gccatgttag cagtgggaga 300
cagcatggta tgtgaagcgg aacctatgat tttttt 336

<210> 23998
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H2

<400> 23998

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gccccgctga tagcagaggc aaagaagaag agagtcgccg ccgccgccgc cgaggagaag 180
aaggtgcagg acaacttctg ctgcagctg tgcgagggca ggaaggggat ggacctggtg 240
gtgtgcaagg agtcctgcga cctctcacag cgctccaacc tgggtgctgta cggccggatc 300
cagtgaagg gcaagtgcac cgagcagaag ggca 334

<210> 23999
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-H3

<400> 23999

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agatctgcga ggtgctgctg ctcaagagcc ccgaggcgga ctgcgccgag atcgagcgca 180
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gatacgccaa ccccatcgcc ttcttccgca aggagcctct cagcaactgt ggcgagcttc 300
ttcgcgctta cgaccttttc aacgagacgt tcgagaattc ctaagcgtca ttttggtttt 360
tttttttt 368

<210> 24000

<211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-H6

 <400> 24000

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 gttgatctgg ggaatgaatt aacaaactcc aatttttggt tctctgggtc cttcaagggg 120
 tcgggtctgc acgccatctg ctccgcatat gaaatctgct gagccgtcaa caccacttgg 180
 agtaacttat tcgatgagtt catgatttat tgatttattg cagccagaaa tcacgcagct 240
 gaggccttgtt cgtttctatc ggattgcacc cggaatcggt ccagctaata aaagtttata 300
 taaattagag aagcaatccg ggtaggaatc gttccgacct aacaattcga cacaaacgaa 360
 caaggcctta agcttgttct gtattc 386

<210> 24001
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-H8

 <400> 24001

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 tccaccacca tcgccaccac tcttcgccgg ctgaggtcgt gggcgtgtcc acggcgtgga 180
 tcgggaaggg gcttacgtcg tgcgtgtgcg cgcaggggac ggagagcgac gggcgccctct 240
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 tgcagtatga tggttcaaata ctagagcatc agaaagcact ggtggccctt tggcatgctt 360
 cttttcctgg aactgaactt ctaagattag tatcaga 397

<210> 24002
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-H9

<400> 24002

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cggcctgctc gatgcgatgg tcgttgaggc cagccccgtc tgtgagtccc gtcgcaagag 120

gcgagcctcc acctgctcca acaatgacgg cgccggatcc aacaccaaata acggtgatac 180

ggttgacaga ccaccaagga tccaccttcc tacaatgggtg tgggtcaaaa acaacaacat 240

ggtctacaca gcagtgcctc taacgcacgg aaggacaaag gcagacgcca cagagtatca 300

ttgaggaaat catgtctctg ttattaaatg gttcctgcac atctgctttg agctgatcac 360

cacgccttgt ggacacaggc actgtgttcg aggagcctat tatatgcaca aacattccaa 420

gacttgttct aggatggact aataacgcca tctgcagtgg a 461

<210> 24003

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G1

<400> 24003

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caccgccttc accgcccagag ttgctagagc tgattcgga ggaagatgct gctgcagctg 120

aggttggtga aggggctgat ctaggtattg tgggtgatga tacacaggtt tccagtgcg 180

gacctttaag ccctgctcct ggtgtagaga cagtagttgt attccccaaa aatgctggca 240

aaattgtact agcatgtgaa gaaactgaat tactatgtgg tctgcaaaat gagggatgaat 300

cgactttgaa tgggtggtgct ggtcattcaa ctcttcatct ttctttttac cataata 357

<210> 24004

<211> 340

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E10

<400> 24004

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cgaaccttgc cttgagaggc ctgagggaaa ccctaacggt gaaggcggga ttaatgcgat 120

tgacattatt ttaatgatga aagcaaggag ggtgcttgca aagcttgctg agaaaagaaa 180
atcggctgtg gaatcttcac gctcagaaag gaccttgggt ggaattgatc ttacatccaa 240
gattgtagac tttgggaatg cttgctgggc cgacaaacaa tttacagatt ttattcacac 300
aaggcataac cgggcaccaa aggatattct gcaagatact 340

<210> 24005
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E11

<400> 24005

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cgggtcatgc gggccccga aggtgccgcc cgggtcccaac atcaccacca actacaacgg 180
caagtggctc accgccaggg ccacctggta cggtcagccc aacggtgccg gcgctcctga 240
caacggcggt gcgtgcggga tcaagaacgt gaacctgccca ccctacagcg gcatgacggc 300
gtgtggcaac gtccccatct tcaaggacgg caagttgcgg ctcatgctat gaagtgagat 360
gcaaggaaaa acctgagtgc tcgggcaatc cagtcacggt gtacatcact gacatgaact 420
acgagcctat cgctccctac cacttcg 447

<210> 24006
<211> 180
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E12

<400> 24006

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tgtatcccta actaataaca tcatgctcta aattatagtc cttctagtgc tcgatcccag 120
atgttcatac agatcctata ttgtgtcttc atgtcactac attaccacca actacatctt 180

<210> 24007
<211> 378
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E3

<400> 24007

agcgttgcct tcccacggtg gctggagcta ctgattcaga agtgcaaagg cctgcgacgg 60

tttgagttgc agtgtggtct gtcattgctc aggagctgcc tgcacggtgg caagaactgg 120

catctcgtgc agcagatccc cgaggtgcgc atcataagct gcgatggcaa gagatacttt 180

cggataaaca agagccgtcg catctacgaa actaatgcac agtcagaaga atgaagccat 240

ttctgaaaac cttggcacga cactggtttg ttttgggtca gccacacgtt tcagttgtcg 300

ctgtccctac tttgttccgg gagtattgag agcttgtggt ctggtcacga ttgattcang 360

tgttttcctt tggtttgc 378

<210> 24008

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E4

<400> 24008

cccacgcgtc cggaagaagt tagagagctc aaagaacaga ttgcttgcct cagggcagca 60

ttagctagga aagatggagg tcaagagagc attcgaagca ctcaatcaag cccagacata 120

tatagaatga gaacgggcaa tggattacct gcgttgaggc acccaatagt agatggaagt 180

atagagaacg actcggcatt gggagatttc gctgagcact cgccattcgg gagcagcaat 240

tcgctgccag agttgggacc agatggcaca caagatctag ccttctacca aagaagcagc 300

cctgaacagc aatggagctg gtccgggtct gttgcaacag aagattccga tgacttcgag 360

gttgcaacga attgctcgtc agatctgga 389

<210> 24009

<211> 248

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-E5

<400> 24009
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gctcccagtt ccgtatatat catcggttatt attattatgg tataataact ttgctcgcg 120
gacaaatgga gggtctctag gtagtgtctc taacctgtcg tactgacttc tgcgataga 180
agagaatggg gccacaaact tctttattat ccatggatgg ataggataga tcacgttcta 240
gatcgcg 248

<210> 24010
<211> 264
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-E7

<400> 24010
cggacgcgng ggcggacgcg ngggagctcc gccaccacca ccaccaagcc caacaacagg 60
gggcncgcga aaanaangaa gagccgcagc acggcaaca cggccgcgcg cgaggagcaa 120
gccncgcgc aagnggcggc caccgcccc caggaagcgg aggcaaagaa gaagagagcg 180
gcgacagcg gcgaggcggc ggaggcgaag aagaccagg acgacggcag cagcagcg 240
agcgagggca agaaggggac ggac 264

<210> 24011
<211> 302
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E9

<400> 24011
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gggcacgtcc gtgtcatgga tcgaagatta cttattaaat gtagacgaac acgcctcgaa 120
tgccactat taatgaaata catgtactgc atgaaggacc tgcgatgata cattcttctc 180
acgtgctcta aactcacctt attcatacct aacattgcag caccactgtc attttcctta 240
cagtcttaga agccttcacg tatgacatgt acctactcag ctaagtgtac aaggcgcgcc 300
cg 302

<210> 24012
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F1

<400> 24012

gttcgggatg gtgattttgg cagcaaacta ctactatttg gcaaaaagat cagaatgggt 60
actagcgtcc tctattggaa gcaagtcaca cagggcgaga cctaaactaa ttttaattatg 120
aagtgtgaac aatagaggag atataaatag tgtgaacaat gaactggagg agacagaagc 180
ggggagatcg aagacaaggg aggccttatg tgcattgaca tcttcggtcg cacaatggg 240
tgtttgaagt attgatctgt aagctacaaa tgtatgaagg ggagtgaagt ctttccatac 300
atgttccttc tggggctatg gccatatgct tt 332

<210> 24013
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F10

<400> 24013

aacaaacata caaacacaca ataaaaaaga attctaaca caaaacaaaa aagatacaaa 60
tcagaaaaaa agaatagtta ggtccgcgat aatcaatcg acgaagctgc atgctgctac 120
cggccgaccg caacatgaag atgacacgga cgatgtgcct aggcctgctg cttctactac 180
tggcggcggc gtcgacagcg actgctcatt tcacggtcgg cgatgtggat gattacgtgt 240
ccaagcgcac gcaggagtcc acccacatga acatcggtgg cgcagacatc gatgacctca 300
tctccagtgc ggcgcgct 318

<210> 24014
<211> 455
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-F11

<400> 24014

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cgcattggcg agctggccaa ggccatcctc cgccacggca gcgtcgccgt taccatcgcc 120

gtcgtcgacc cgcccagaaa gcacgccgtg ctagctgctg cgctggcccg cctggcagcg 180

gtcagtcctt ccatcacggt ccacctctc cccatcccgc cctgcgccac cagcaagcag 240

cattcccacc ccatcatgcc catcctggat gcgctccgcg ccgcgaacct cgcgctccgg 300

gcgttccttg ccgcgcgagt ccctgccgtc gccctcgtg gtcgacatgt tctgcaccga 360

cgcgctcgac gtcgcgcgg agctcgcat cccgcgcac ttcttctacc cgtccgccgc 420

cggcgacctc gcggtctacc tncaggttcc agatc 455

<210> 24015

<211> 217

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F12

<400> 24015

accacgcctc aggatacgac cgtgctgctt ttccaaatgc taagcgtgaa ctatctaaac 60

cgaatattct acttgcaaaa acaacattct caacaccata ctcatcctac ttactatcat 120

cgcatagat cttacataga aacactacct actcactact gtactactcc tactagcacc 180

ctgttacatt atcaacaaca gtccatatca taccat 217

<210> 24016

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F2

<400> 24016

cggacgcgtg ggctgacaca tgaacatgct ctcgggtgca gtcacgcgaa taacaaatag 60

gacgcgtcaa caacagccag ctcgcgaaaa taatgaagag ccgcaacatg gctatcatct 120

gccgcgtctt tgggtgctagc cctcgcgcta gtggcgccca ccgaccgcac aggtagcgta 180

ggcatagaag atgagagcgg cggacagcgg cgaggcggcg gatgcgaaga agatccaaga 240

ctacttctgc tggacgctgt gcgaaggcaa gaaggcgacg gacccggtcg tgtgcaagga 300
gttctgcgcg ctctacc 317

<210> 24017
<211> 300
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-F3

<400> 24017

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cgagagaagg atggcagtgt ctccaggagc tgcctattc ttgtttctcc tctcgtcgc 120
agcagatgtg ggaaccatcg atgccaaaat gggagtagcc atgcccacgc atgccttgat 180
aatggagaaa gcgaaacagc angagaagga gaagaaggag gagaaaagca cggagaatga 240
agagagtcaa tgcttatcgn cgagtcttca gttcgagggc ttctgcttaa cagcgacaga 300

<210> 24018
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F4

<400> 24018

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atggcgccca acgtcatcag cgccgagttc cgcacgttca tcgaggtggt cttcgagaac 120
cccgagaaga gcatcgacac catccacatc gacggctacg ccttcttcgc cgtcggcatg 180
gggcccggca aatggacggc agcgtcgcgg agtacgtaca acctcctgga cacggtgagc 240
cggcacacga tccaggtgta cccaaggctc tggacggcgg tgatgatgac gttcgacaac 300
gcgggcatgt ggagcgttcg ctccaacatc tgggagaggc agtacctcgg cgagcagctg 360

<210> 24019
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F5

<400> 24019

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gtcgcgtcgg ccgccgcggg tgccgccgcc gtcgacgcgg aggaccgcgt gatccggcag 120

gtgggtcccc gtggagatga caacgatctg gagctgaacg cggagtccca cttcctgagc 180

ttcgtgcagc ggttcggcaa gtcctacaag gacgccgacg agcacgcgta ccggctgtcc 240

ggtttcaagg ccaacctgcg ccgcgcgcgc cggcaccagc tgctggaccc gtcggcggag 300

cacggcgtca ctaagttctt cgaccttacg ccggcagagt t 341

<210> 24020

<211> 132

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-F6

<400> 24020

cataggcgcc cgcattggact ctggccggat catctacttc atctaacaga aggacgatgg 60

gggacgctac nagtcgcacc tggcgtaact ccagccttac agttccacta acgacaccgt 120

gcacgccccat gt 132

<210> 24021

<211> 310

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-E1

<400> 24021

cccacgcgtc cgccaaaaca tagagtgtcg acttttctat tgggtgtgatt gggggcacta 60

aatacgtaac acattgcact cagactacat atactgtgtt tgtgtgttgt atgccgtatg 120

cgtgtgtgag cttgcgcaaa ttggacatct aggccgtgcg taccctgcga tgaaaggcgc 180

cgtcacgcgc gcatcgaccg tcctggtcgt ggcgggtggtg gccaccatct gcgtcgtttc 240

cttcaaaggc agcggcgatg gcgggagggc cgatgagggc gagatgtcca cgtcggtgaa 300

gtccatcaag 310

<210> 24022
 <211> 312
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F7

<400> 24022

cggacgcgtg ggtaggtca ctgggaggaa ccatgctgtg gaacatgttc cagtggtttt 60
 gcgctgctgc aaagggctgt ggcttcggag tgttccctat ctttggcctc gaggcataata 120
 aacacggatt ctacttcgac ttctgcatgt ccaacatcgg catcggcatg ctgtgcccgt 180
 acaccatcac cgtgtccatg ttcacatcgg gcgtcgtctc gtggggggtc gtcttggcgt 240
 acctcgcgac caaggcgggc gtctgggtact cttcgcacct cagccccagc aggccctcagc 300
 ggcatcaggg gc 312

<210> 24023
 <211> 221
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-F8

<400> 24023

gttctgaaaa tgaattcttt tgaggctacc tctactgcta ttagtcaagg caggtacaac 60
 gcggagtctg tggggagtga tgggtaggta cacatggagc aaggccctgt cctgtaagcc 120
 ctgcattatc cacttgggtgt tgtaaaatga attgcatgtc tttactcgat agaaggtaat 180
 atgtgatgtg tcgcaagggc atgcagtcac agttccaatg a 221

<210> 24024
 <211> 381
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-F9

<400> 24024

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 agaagaaaag aatagttagg tcccggaggt cgatcgaacg aagctgctga tgctaccggc 120

cggccgggca tgacgatgac acggacgatg tgcctaggcc tgctgcttct actactggcg 180
gcggcgtaca cagcgacggc gcatgtgacg gtcagcgatg tggatgagta cgtgtccaag 240
cgcacgcagg agtacagcca caggaacaac ggtcgcgcg ccatcgatga cctcatctcc 300
agtgcggcgc gcttccacgc caacgtggat gcacgcctat ggccgtagat acgacctgca 360
ngacgaggca gcagctaccg t 381

<210> 24025
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C10

<400> 24025

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tgcgcaagca gtctctgcgt cccgacaaca tcaagatgtt cgtgttggat gaggctgatg 120
agatgctctc ccgtggattc aaggatcata tctatgatat cttccagctt cttccatcca 180
agattcaggt cggagtcttc tcagctacca tgccccctga ggcccttgag atcacgcgca 240
agttcatgaa caaacctgtg aggattctcg tcaagagaga tgagctcacc cttgagggta 300
tcaagcaatt ctatgtcaat atctacaaga acattggaag ctcgacactc tgtgtgacct 360
gtatgagacc ctggcaatca cccagagtgt catctttgtg aacacacgcc gcatggtgga 420
ctggc 425

<210> 24026
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C12

<400> 24026

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ggttcaacct tcgtattcgg aatctcgacc tgtcacataa attaccacaa caatatctgg 120
ctatcctcta tcaagccttt attgtgacga tgctttctca tccttatata tctactttta 180
ctattattgt tatccataac tcatctactg ttacatttgt caccaccaa tttagaacca 240

aatctccgta tacacctttg tcacacatgt tagatttaca ttactgctca cctgaccctg 300
 atagttatag cgcttaatac tccaggatat cgacgcgaac ggcacgtaca cgatcgagct 360
 caaggacagc cacgaggagg acatctgcga ggtggtcttg gtggaaagcc cgcgcaagga 420
 c 421

<210> 24027
 <211> 281
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-C2
 <400> 24027

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 taattgatga agaagctcta gtcagggcac ttgattcagg ggtagtagca caggctgctc 120
 ttgatgtttt cactaaagaa cccccagcag ctgacaacaa gttggtactg cacgggaatg 180
 ttactgtcac acctgacctt ggtgccagca cagtggaagc acaagaaggg gtggctattg 240
 agatagctga agctgtcatt ggagctctga aaggggagct t 281

<210> 24028
 <211> 58
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-C3
 <400> 24028

aatcaaaaaa aaataaaata aaaaaaaaaa taaaattaaa aaaaagacac acgtaata 58

<210> 24029
 <211> 333
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-C4
 <400> 24029

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cgctgttctg atcaatgcca tctttcgagc tgtacctgtc gcaccggaat cagtatggct 120
agaagggtgca ggcctnctgg agaaactgca tgccacagag attttgaaga ggttctatca 180
gcaggcggca tcggtctatc ccttctcctt caagctgtgg cacgcccata tgaattactg 240
caaagccagt gggagcaaca ctgagagcat cctggaaagt gcgaagcaac gtggcatcga 300
gcctaatactg acaccaacat aatgggtccc ttg 333

<210> 24030
<211> 370
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C5

<400> 24030

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aaccgatgc tccgcctggc caagcgcatc gcggccaagg gcctcctggt gaccttctcc 120
tcgatctcca gagtcggggc gatgctcgcc gcgtccgtgg gcgtgtcggc cggcgggtgac 180
ggcgtgcctg tgggcccggg ccgcgtccgg ttcgagttca tggacgatga agaccccggg 240
cctgacctgg acgacctctt gcggcacctc gcgaaagacg gcccgccggc gtttgccgag 300
ctgctggaac ggcaagcgga cgccggggcg cctgtggcgt gcgtggtggt aaaccggttc 360
atgccgtggg 370

<210> 24031
<211> 290
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-C6

<400> 24031

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ggcaacatgg caacaacaat ctgttccggc cgccaaacaa aaccaaaaaa aaaacacact 120
gaaccaata atccgatccc acagaaactt ttctctcggc ccgttcgatc gatcgctgcc 180
gtgtcgtttg ccagacacca tcagcaccca aaaccatggc ctgcaacctg gctcagtgcg 240
ccaccgccgt cgcggcgacc gtcgcgcccc gcaccctag ccctgctgcg 290

<210> 24032
 <211> 372
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-C7

 <400> 24032

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 gttcgaccgc cattgccgat cggaggatga acaccagcac ctaagaagat gtgagagacc 120
 gagggagaga gaataagaac gccctgtgcg gatctccctc aaacgcgaga cgctgggatg 180
 gatgacctcg gggccgcgcc gctcgcaa at tttggccgc gccttgggaa tttctcgcca 240
 tcgaagttaa atccgcgta gatccgtttt cgccgtggcc agaggattcc gcgccgctaa 300
 gcttgagaac gagttggtcg aagaaccga agaactcgca agagaagccc ctgagcagca 360
 atcggttggt gg 372

<210> 24033
 <211> 309
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-C9

 <400> 24033

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 agaagaaaag aatagttgcg gtcccgagg tcgatcgaac gaagctgctg ctgcataccg 120
 gccggccggt acatgacgat gacacggacg atgtgcctag gcctgctgct tctactactg 180
 gcggccgcgt ccacagccac ggtgcatgtg acggtcggcg atgtggatga gtacgtgtcc 240
 aagcgcacgc aggagtccag ccacaagaac aacggtcgcg cggccatcga tgacctcatc 300
 tccagtgcg 309

<210> 24034
 <211> 351
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-013-Q1-K1-D10

<400> 24034

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ggtaatgagg tgctcgctcc agaggcggcc gtcgccgagc ccgaccacaa ggaggaggaa 120

gccgtggaga agaccgtctt cgaggacgag aagccagcgg cagcagccca tgcagaggaa 180

aaggtcgcca ccgccgccga gaccacgact acggtggagg cgaagaagaa cgccgaggag 240

gccgcgaagg agaagctggc gcagcaaagc tgatcgactg tccgtgcatg cgtgcccaatt 300

aatataattg gctgatgatg cctgatgttc aagtgatact attatcgatc a 351

<210> 24035

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D11

<400> 24035

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tggtcggccc gtcgtgctct gcttcgcgct cgtcatcacc cacgtctccg cggccctggt 120

cgcctagcca acggctaccg gcgcggaaac cccaagaggg gcaacggacc cgcgatttaa 180

tccaggggtc gggatatact tcctactaat tagagcattt attaaattaa agtgaccaat 240

cagttaatct ctggcctgga ccttagagct aagacactat attttgggtca ggatccatgc 300

ctggattttt ttacacattt aatccttaga cactttaaaa cataacttaa gacactcatt 360

atacatgccc taaatggacg ccataaatgg acgccatcta cgtgtacctc ggtatactat 420

accgctacgc catataaacg tatacctgcc gtctcactac 460

<210> 24036

<211> 87

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D12

<400> 24036

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cgagctgctg tgcattgcga cgtcatg 87

[illegible]

<400> 24037

<210>	24038
<211>	150
<212>	DNA
<213>	Zea mays

<400> 24038

<210>	24039
<211>	313
<212>	DNA
<213>	Zea mays

<400> 24039

10429

<210> 24042
<211> 397
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-013-Q1-K1-D8

<400> 24042

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cctgttgtcg cagcttctcg tctcatcgcc ggattcggtc tctttcttcc agcagttgtc 180
cggccaatcc tggattcatg ggagaccgca gaaaaagtcc ctacaccacc tctaaatgat 240
gtggttgcgg gtgtcaccgg caagaaaaag tagtgaactt gcattgggtt ctcatgtcga 300
tgctggccca cattttctta cccatgtttt ttctggcggt taatattgga aaggtcttca 360
aaggcacggt tttcaaagtg acacattggt tgaattt 397

<210> 24043
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-D9

<400> 24043

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tggccagcat caatgagatg cgggtgctgc atgacgggcc gccgacgggc ggtttcgcgc 180
acgtgcgcta cgcgcgcggg attccacact agggccccag cgccactgcc atcttctca 240
cggcttctcg cgccttcacg tatggcatgt actcatgtcg gtcaagggaa caaggtgcgc 300
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<210> 24044
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A12

<400> 24044

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gaacgccatc tccagccctc tgcgacgcca ccggcgcgaa tgtgactgac gtggcttacg 180
ccgagggcaa ggacactagg attggcccca atttcctgaa caccagtgtc gggttcgggtg 240
ggctcttgctt ccagaatgac atcctgaacc tgaagtacat ctgctagtgc aatggcctgc 300
ccgacgtggc caactactgc aagcaggtga tcgatcaacc actaccataa cagcctcttc 360
aataacc 367

<210> 24045

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A2

<400> 24045

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ttccttggtg cagcgtctga tacatagaaa gacagtcata agaatcctta tgatccatct 180
cacagattgc tccaggtatg ccagtgggat ggataatata atttggctga cagctatttc 240
atcggaaacag tccgatatcc tccgaaagaa gaacaaaaga acaaaaggca ttgctcaatt 300
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<210> 24046

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A5

<400> 24046

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gtctgtcccc atcgccgtcg ccgtcgcgcc tctgtcctg ctctcctcg tctccactgc 120

gtccgctgca cggaccgtgg gcgacaccgt gcaggacgcg tgcagcaaga cacaattccc 180
 caagatctgc gtggacagcc tcgccgcaaa gccagagagc cagaaggcga ccccgcgccg 240
 gctggcggag ctgttcgtga acatcgcggc cgagaaggga tccgggatgg ccacgttcgt 300
 gcacgggaag tacaacaacg cc 322

<210> 24047
 <211> 161
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A6
 <400> 24047

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 gagaagttca tagtgtacca gtctgtgctt tggagttatt ggtctcttgc atcttcggga 120
 tgtcgcagac ccaaagggttc tttggatggg gtatgagccc t 161

<210> 24048
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-A7
 <400> 24048

tccatttccg gctttccgcc accaccccc ctctctctct ctcttcttct tcttcaatcc 60
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 cggacccggc gccgacacga tccggatgat caagtgcac acaccttag ggaggccct 180
 tggacagcag tttgtgctgc aaattctata tagctctgtc gcagcatggc ctcggtgggc 240
 gtggcacgct cttctttggg atttcagaat ggcacaagtt ctagcagtga cccagatcgt 300
 cttcccaacg agttgggcag tatgagcata agggacgaca aggacgttga agatattgta 360
 gtcaatggca atggggcgga acctggtcat atcat 395

<210> 24049
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A8

<400> 24049

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 caaccttgga actggaaaag gaacatcagt gttggagata gtcaatgcat ttgagaaggc 180
 ttctggaaag aaaatccctt tggatcatggg tcaacggcgt cctgggtgatg ctgaggttct 240
 tttttcatcg ccggcaaaag cggagagaga gctgcactgg aaagcaaat atggcatcac 300
 agaaatgtgc agagacctgt ggaactgggc tagcaagaac ccttattgat 350

<210> 24050

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A9

<400> 24050

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 gcgagcctcc acctgctcca acaatgacgg cgccggatcc aacaccaaata acggtgatac 180
 gggttgacaga ccaccaagga tccaccttcc tacaatgggtg tgggtgcagat acaacaacat 240
 ggtctacaca gcagtgcctg taacgcacgg aacgacaaag gcagacgcca cagagtatca 300
 ttgacgaaat catgtctctg ttattaaatg gttcccgcac atctgctttg agctgatcac 360
 cacgccttgt ggacacaggc actgtgttcg aggagcctat tatatgcaca aacattccaa 420
 gacttggtct aggatggact aata 444

<210> 24051

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B1

<400> 24051

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ggtggcgggtg cccgtggcgc gcctgggcca cccgcgaatg ctggagctgc tcggggaggg 120
cagggaggag tacggcttcg cgcaccaggg cgccgtcgtc gtcccgtgcg ccgtcgagcg 180
gttcatgcgg gcggtggaag cctcggcgtc ggcggggaac aggcacgagc accaccgtca 240
cggacaccat caccaccact ttcgcctgcc tcatattcac atcgcccgtt gcttttagacc 300
gtcgcacgtc gttgcttagg attcacgtcg agcgcgcgcg agtagcaaaa aaatttcatt 360
ttcctttttg tttggaagtg gcaagaattc tggttttttt tcttct 406

<210> 24052
<211> 430
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-B10
<400> 24052

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gctcttcgtc tccgaggagg tggacaaggt ggagctgctc tactccaagt tcgtgtcgct 180
ggtgcgctcc gaccccatca tccagacgtc gtccccatg tcgccaagg gcgagatctg 240
cgacgtcaac ggcgtctgcg tggacgccac ggaggacgag ctcttccgct tcaccaccaa 300
ggaggggaag ctacccgtgg agcgcgagaa ggaagatcga gacgcagccc ttctcccccg 360
tggtgcagtt cgagcaggac cccgtgcaga tcctggacgc gctgctcccg ctctacctca 420
acagccagat 430

<210> 24053
<211> 392
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-013-Q1-K1-B11
<400> 24053

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gctgaccacg agagcggcag cccgagcatg ggcaccggtg tcgtcctggc catgctggcc 120
gccgctgcca ccgtgatgct tcctttctag atgaccatgg tggctttgag ctaacatcat 180

agtcacagag cagcaattct tctgggaatc tgtgtttctca tggatcatgca tgggaatggg 240
 agtcgatatg actacgctta ttaggagttt atgaatttct cctcaagata tctaggcctt 300
 tgtttcatcc tttgggactg gttgggttaac ttttgcattg ttttcttcgt ttgtaatttg 360
 aatgacaatc aatgaattta ttgtgtagtt gt 392

<210> 24054
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B12

<400> 24054

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 tccatgtcgt gcccgacgt ctccggcgtc gctggcctga tcaagaccct ccacccggac 180
 tggagccccg ccgcgatcaa gtcggcgatc atgacaagcg cgacggtgct ggacgcggag 240
 atgaagccga tcctgaactc gtcctacgcc ccggcgacgc cgttcagcta cggcgccggc 300
 cacgtgttcc cgagccgcgc gctggacca gctcgtgtac gacatgagga cgatgaacag 360
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 cactgcgcac ggtctttt 437

<210> 24055
 <211> 276
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B2

<400> 24055

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 tgcgccctga agccggactt ctatagccag tcgtgcccgc gcgcggagcg gatcattgcy 180
 gaggtgatgc agactaagca gatggcgaac ccgacgactg ccgctggcct gcttcgcgtt 240
 tcttacacga ctgcttcgtc agccggtgcy actcgt 276

<210> 24056
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B3

<400> 24056

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aagagccgca gcatggcatc atcggccgcg ctcttggtgc tagccctcgc gctagtggcg 120
gccaccgccc cacaggtagc ggaggcaaag aagaagagag cggcggagag cggcgaggcg 180
gcggatgcga agaagatcca ggacgacttc tgctcgacgc tgtgcgaggg caagaagggg 240
acggacctgg tcgtgtgcaa ggagtctcgc gcgctctccc agcagtccaa cctggtgctg 300
tacggcagga tccagtgcaa gggcaagtgc accgagcaga atggcatcac 350

<210> 24057
<211> 236
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B4

<400> 24057

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ccaagtcgtc ggatactgcg ccgaatggag caccgcggtt cttgcttatg agtatgcaac 120
taggggatca ttgcatgata tcctccatgg taaaagggt gtcaaaggag ccagccagg 180
gccagtcctg tcatggatgc aacgagctag gattgccgta tgtgctgctc gaggtc 236

<210> 24058
<211> 288
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B6

<400> 24058

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ccgtgccctt cttgtgctgc tcatcgctgt ctccagcgcg gcggtgtcga ctgcccagga 180
 cgagagctgc tggaaggacg acgaccacca ccctatctgc ttgcccgagg actgcgtggc 240
 gacctgccgg gatcacggcc acgcggacgg ccgcttcaac tgggcatg 288

<210> 24059
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-B7
 <400> 24059

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 aagggggaaa aaatgccgaa cgaaggatgg gtggtgttta acggagcggc cacgcacaat 180
 ccagggcat ggagactact aattaattaa tgttggcgtt ggtgtcgttg ttcggatgca 240
 ttcaatcaca ggccttgctc tacgaggtag tcaccgagcc tctcaaccac catgttgcac 300
 tgtccagggg tcatgggctc gtcgtagatg ccgatcacca gcgcctgtcc ggtcttcttc 360
 acaggtatgc cttc 374

<210> 24060
 <211> 235
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-013-Q1-K1-B8
 <400> 24060

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 gcgagcaaaa gggaaaacgc tgatcggagc aacgaagccc gcagccatgc cgacggcgac 120
 ggccacggcc acggcagctc ctgccacgc ggcgctcttc ctgcccctgc tgctgctcct 180
 gtcggcctc cagccacgt ccgccggcgg cgcgcgcgcg ggcgtcgccg tggac 235

<210> 24061
 <211> 467
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A11

<400> 24061

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gaacgccatc tccgccctct gcgaggccac cggcgcaat gtgactgagg tggcttacgc 180
cgtgggcaag gacacgagga ttggcccaaa gttcctgaac gccagtgttg ggttcggtgg 240
gtcttgcttc cagaaggaca tcctgaacct ggtgtacatc tgcgagtga atggcctgcc 300
cgaggtggcc aactactgga agcaggtgat caatcaacga ctaccagaag agccggttcg 360
tgaaccgcgt cgtgtcgtcc atgttcaaca ccgttgccgg caagaagatc gccgtcctcg 420
gcttcgcctt caagaaggac accggcgaca ccaggaaga ccccggc 467

<210> 24062

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-B9

<400> 24062

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gcggacccac caaacatcta accgtagctg cagtgccact accggccgct tgcccggctt 120
ccggagagga agccgatcca agcaacgatg ccagccggat catagactca atttcggtac 180
acgcagacgc cgtccaaggt gctgtaccta gagaacatgc cttggcaatg caccgaggag 240
gagctcgtcg agctctgaaa accattcatg cgggtcgtaa acaccatgtg cagcgacggc 300
gataaccgaa accaggcaac cggcgagtga gcagatgaac caggcaa 347

<210> 24063

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G8

<400> 24063

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tacaaggagg gtgaccctac cgggcctaca aaatgggcca cattgcagaa ggactgggat 180
gtctgtgaca gcggcaccga gcagtcctcg atcgacgtcg ccaaggtgga ggtctctgag 240
gatttagacc cgctgcagca gacctacgag cctgggtact ccgtcatgca caaccggctc 300
cacgatttca tgctgaactg gacaggaagg aacggcggcc tgacaatcga agggaagaag 360
tacaagctga agcaggtgca ctggcacgtt ccctctgagc acaccgtc 408

<210> 24064

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G9

<400> 24064

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aaatgcaatc ttacacaatt ggctcacttt tacaataaac tataaatcca tccaaccatt 120
atatacttaa atctacatat atcataattc acaaataaat tctataatcc taccaaataa 180
atatttatact attcctcaac ataaactctc atattgcatc ttccatatac gtataatcta 240
taaaaactct tctatcacca tttatatatt caatcaactt attcaattct atttctttaa 300
tttcatttcc taaaatataa catcatatac atatcatcat tacaaaaagt ttcatttcat 360
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<210> 24065

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H1

<400> 24065

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agcccacgta ctacacgttc ctgaagctcc tgcgagacac caaggtcgcg ggccaagcga 180
atcatctccg gtcggcgacg ctactggctg tgcccacga acttgccaag cctatggcgt 240

cactgcccgc ccataaggtg ccgctggcgg cggataacca cgtacttctc aagtactacg 300
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 taaccgacaa gaaacta 377

<210> 24066
 <211> 145
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H10
 <400> 24066

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 ccggacaggg acaccgtcgg cgaac 145

<210> 24067
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H11
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 catcaccaag ttggggcgct ccggcaatgg caagacagac agcacgaacg ctgtgcagga 240
 ggcattggga tcggcgtgcg gcggcactgg gaagcagaca atcctcatac ccaagggcga 300
 cttccttgtc ggacaactca actttacagg cccttgcaag ggcgacgtga ccatccaggc 360
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<210> 24068
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H12

<400> 24068
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 tctctctgcc cccgttcccc cgaggagaga acaacctgga gaaaatggcg ccgatctccg 180
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 tcgactacaa gctc 374

<210> 24069
 <211> 413
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H2

<400> 24069
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 agacctgaag catatgactt ccaagctgcc ctacatgatc atatgaaata tttaaacaag 240
 aagaaggccg ctgaagagat gattcagcat tatgagaagc aatcttcagt ggattacagc 300
 ctcaaagaag gggagacatt ggttcttcag cttaaaaata aggaaacagg caccaagaca 360
 aaatcgacat tttttgagca aggcctaaac aagctctccg ttaacgaaaa gac 413

<210> 24070
 <211> 270
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-H3

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agactaagat tctacagttc tgtgctggtg atactcgacg agccggtgag ccatggtgtc 180
aaggcaggcg ccgtactccg actattcgcc gtcacctaag gaccatctaa acctctggaa 240
gaagcggctc tagcaattgc gcaagtagaa 270

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<211> 339
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-012-Q1-K1-H4
<400> 24071

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catatgcatac atcttacaca actactgcaa agcataccat gatcatacct aaagtcgact 180
tacttgctga accactcagc ttcacatgac cttgccatgg ctacgtgacc atacatgtag 240
atagcaatct gctatcgacc acagccctat accagtaccg tgcacattat cattgaaacg 300
aaagactacg cctgcataac ctatgcatca catgctatg 339

<210> 24072
<211> 410
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-012-Q1-K1-H5
<400> 24072

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acccaataat ccgatccac agaaactttt ctctcggtcc gttcgatcga tcgctgccgt 180
gtcgtttgcc agacaccatc agcacccaaa accatggcct gcaacctggc tcagtgcgcc 240
accgccgcgc cggcgaccgt cgcgccccgc acccctcgcc ctgctgcgtc cgcgtccgtc 300
tcctttctccg cgaggaagcc ggcggggcgc agcctgcggc tgcagcggca ggcgtgctgc 360
gagccgctcg tggcgcgcgc ggcggggcgtg ttcgcctgcc gggccgcggc 410

<210> 24073
 <211> 394
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-H6

 <400> 24073

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 gagcggaccc tccttctcgc cgcgcagttc ctgcacaagg agctacccat ccgcatecgc 180
 cgacgggcgc tcgacctega ctgcctccca ttaggcctct ccaccaagcc cgccatectc 240
 aagggtaaaag attggtatgt ggagtcattc cgtgaaatcc ggtcctttcc agagggtgaag 300
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 aatgtggtgc ctgcgattgc attgcgtgtg cagc 394

<210> 24074
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-H7

 <400> 24074

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 ctaggcttgg gcggggctgg gctggtggga gccgccgagc cggggagcca tggcgtcggc 180
 gcaggcgccg tcctccgccc ctgtgccgtc gcgcaaggac catctcgagg ccgggaagaa 240
 gcggctcgag cagttccgca agaagaaagc ggcgaagaag gccactgcag ctagtgcaga 300
 gcaggcaaaa gcgcctgcgc ctgatgtagt ggagaaccca cctccaattg tcaatgctgg 360
 tagcttggga gatggactgg tgtctgatgt agacccaaac caagcgagca cgt 413

<210> 24075
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H8

<400> 24075

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tctcctgctc attgtgtcca ccgatatggc acaggcaagg gaatgcgaga agtacagtga 180
gcgatttggtt ggggcatgca tgatcgaga caactgcgcc aatgtgtgcc gcggtgaggg 240
cttcttggcc ggcagggtgca gcaccttcg cgcgcgtgc atctgcacta ggcagtgcta 300
aacaagatcg ctcgatcgct cgccatgcat cgacaaccta ttcttaataa cgttcattat 360
ctcgttctta tatatgacga atgtcatgta tgttctggtg actgtcatgt atatt 415

<210> 24076

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-H9

<400> 24076

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tgtcaccgcc gcggcggacg ctgtcgatgg ggagcggcgg cgccatggga cgccgcgcgg 180
cctctgccgg cgtgatgggc gacagcccca agcgcggggt gtcccgatcg atgaccatgg 240
gcggcgagcg cacggtgaag cggctgcggc tgtcccgggc gctgacggtc cccgagagca 300
ccaccgtgct ggagggtgtc cgccggatgg ccgcgcggag ggccgacgcc gcgctgctca 360
cggactcgaa cgcgctgctc tgcggcatcc tcaccgacaa ggacatcgct ac 412

<210> 24077

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A1

<400> 24077

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ggcaacctcc cctgttccac gcttcgtcct cgctgccag gctgccatgg ccgcgacgtc 120
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 cgacgaggcc gccgccacgc gcgccgagct cttccgcgcg cacggcagct cctcgcggg 300
 gctcatcgcg ctccggctacg acgtgcaccc ggacgagtag cacagctacg tgcacggcag 360
 gctaccgtac gacaggatcg cgcgcg 386

<210> 24078
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-A10

<400> 24078
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 aagatgtctc ctctgggtgtc cgagctgcat ctgtatgata ttgctaattg caaggagatt 120
 gctgcagatc tcagccactg caacacgcct gctcaggttc ttgacttcac tggaccctca 180
 gagttagcca actgcttgaa aggtgtggat gtcgttgtca tccctgccgg ggtcccaagg 240
 aagcctggga tgactcgga tgacctttt aacatcaacg caagcatcgt caagacactt 300
 gttgaggctg ttgcagacag ttgccagag cgttcatcca tatcatcagc aaccgggtga 360
 attccacggt gccaatgca gctgaagttc tgaagcagaa aggtgtctac aatcccaaga 420
 agcttttcgg ggttaccacc ctggatgttg tcagggc 457

<210> 24079
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G7

<400> 24079
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 agtgaagcgc atgagcacia gtctaacacg ggatgcaatg caagcaaagg gcgtaaatagt 120
 agtcgcggcc tctaggggtg cagcgggtta ttattcttgg cagcgaacgc ggtgacgaac 180

tggcagcgca acgtttgttg tcgtcatcat ctttctctgt cgccggtctc agaactcgac 240
 gcccttgaag accttgcgca cctgctcgag cgtgacgaag agcacaacgg tgaagggccc 300
 ctggcgcatc acggtgggga tgaacccctt gtacagcgcc atgggtccct ccgacctgac 360
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<210> 24080
 <211> 226
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-F11
 <400> 24080

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 ggtagttcat gttgcttcga ttcgatcgta ggggagataa tgccggatgg cgctgctcat 120
 gctttgtaaa gtttgggagg acatgcatca taattgaagt caagtgatag gatcctgttt 180
 tttaagtaca cgatacaaca caaatcttaa catactccct ttgttt 226

<210> 24081
 <211> 343
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-F2
 <400> 24081

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 taatattggg caaaactgta atgagaatac ctacagaact ccccatgatt ttgttgaggc 180
 tgctgctttt caatcaaacc catcaaattt cagtgggctg aactttaaat tcggtgtgtc 240
 atcctctcca caaatctctg ctgcggcagc ggcacaaaga cgtagcacia gaaggaagtt 300
 aagaacaaag ggtagtctag catcgaaacc ttcaactatc gac 343

<210> 24082
 <211> 134
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F4

<400> 24082

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gcgctgatcc tcggggctct agtcgtggca ttgctcgtgg agatgaaacg tctgagagct 120
gcaacggacg cctg 134

<210> 24083

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F5

<400> 24083

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cctgaaatct caagtgccag gcaagttgtg cccttgatca cttcttttac ccactcatgt 120
tctaattaat cataatgata tgcataagggt aattttgatg ggacctaata ggatacccta 180
gtttgtctat ctttatgcct tgtttaccac tgaacttttt gggtagtact tgctagtgtc 240
atatgtgggt ttgggcattg agatacacat tattcatgat tatacttttg ttatccgttg 300
ttatttactg ttcatgtcaa gatcattaat gttaattgga acatagagct taacttgaga 360
aacacgtgcc accacaaggg tttatggacg cccttggtctg 400

<210> 24084

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F6

<400> 24084

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ctcacttttg cagagcatgt gcgggggttc acccacacat ctgtcatgga gtcctgagca 120
tcatgccaca gatgttgatt aacttggag cactgtacat acaccatttg gtcctttttc 180
atagacaaaa tcaactgtctt ttgtgcagaa tgatgcatct cgtaagaatg tgcttctgac 240
aaccctgaac tacacaatta ccaacacaat agatgttttg gagtccatgg tagcacatgg 300

cggaacagaat tatcttataa agaatatgca tgttgaattc attcaaaggt tg

352

<210> 24085

<211> 407

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-F7

<400> 24085

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catcaccgtc aacgaggccc agtcccgcgg cgcccggtga ggcggcggcg gcggcgggta 120

cggtggtggc cgtggaggcg gcggctacgg cggtgggcgg cgccgtgatg gcggcggcgg 180

ctacggcggg ggcggcgggt acggtggtgg cgcggcggcg tacggtggtg gtggcggcgg 240

ctacggcggg ggcaaccgtg gcggcgggta cggcaactcc gacgggaact ggaggaactg 300

agcggtgggg cccgcgcggc caagttatcc tgttcgctac cgtgttggtt accctagtcc 360

agagtgttta tcttcgttcg tctcgtgtnt gttgttgccc atctgtg 407

<210> 24086

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-F8

<400> 24086

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gaagccggac tactacagcc agtcgtgccc gcgcgcggag cggatcatcg cggaggtgat 180

gcagacgaag cagatggcga acccgacgac ggccgcgggc atgctgcgcg tcttcttcca 240

cgactgcttc gtcaccgggt gcgacgcgtc ggtgctgac gcgtccaccc agttccagaa 300

gtcggagcac gacgcggaga tcaaccactc gtcctccggg gacgccttcg acgccgtggt 360

gcgcgccaag ctggccctgg agctggagtg ccccgngtg gtgtcctgcg 410

<210> 24087

<211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-F9

 <400> 24087

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 gcacacaacg ctctccgggt gtttttcata ctagccgtgg tatgtgccgt atgcacagcg 120
 aaaaggacag gagccaacaa ggaagaatcg gcggcagccc ccggtggcgc tgctggaggc 180
 agcggcggga cgttcgacat ctccaagctc ggcgcgacca gcgacggcaa gacggactgc 240
 acaaaggcag tccaggacgc gtggacgtca gcgtgcgaag cgaccggaag cgccacgggtg 300
 gtgatcccca agggcgacta cctggtcggc cctctcaact tcaactgggcc atgcaagggg 360
 agcaacatcg ccatccagct ggatggcaac ctgctgggat caaacgacct ggacaag 417

<210> 24088
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G1

 <400> 24088

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 ctttgtttcg atttatcagg aaatccgttt gcttcatggt gtgcaggctc atatctgatt 180
 gctggattcg gcaaaccgc gttggatcct gtatcgggta gtccttgctt gcaagggttct 240
 tgttggtttg ttttggtggt cgagcatcgc atgttctgct tctggatcca gatctggaga 300
 aatcgcggaag tcgtcgtcgc tcggttcgga gcggatctga ggcgacgata gatggacgcg 360
 gcgggatctc tcggtctgca gtcctgctcc acctcgatgg atgatgtctc tgc 413

<210> 24089
 <211> 255
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-G10

<400> 24089

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tctaccccg tgagcgtgga ggaggcgtgc cgcggcgct cgcgacgca cgcggcgtg 120

gcctacgacc actgcatggc gtcgctgggc gccgactcgt gcagcaagga tgccgtcaac 180

aagaacatgc acggtctggc tgttctgacc tccattatgg acatagacta ctcccttagt 240

atggcttcca aaatc 255

<210> 24090

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G11

<400> 24090

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gcgggggatc atatctactc ctggagggcg gcgtgggtct acgcgcatca cggaatatat 180

gtgggcgatg ataaggatgat ccatttcaca agaggaagag gacaggaggt cggaacagga 240

actgtcgtcg atattattct tgtgagttcc accccaaaac gaagcaacac gccttgcccc 300

gtgtgcaccg acgaaaccag cgacagcagc acagagacga acggcgtggg atcctcctgc 360

ctcagctgct tcctagctgg ggggtctctc taccgtttcg agtacgcagt caaccggc 419

<210> 24091

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G12

<400> 24091

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tcatgaagtt tccagattta aaccctgctc cagcaagagc aagttctggg gcttcaagga 120

agatgatgct taattctaaa gatcttagct ttgtggggta tacatacaag aattttgagg 180

ccgtgaaagg tttgcatcag tttgcagatc ttcagagaag ttcctcattt acaaggcact 240

<210> 24094
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G4

<400> 24094

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 tgcattctga tccacatcgg ccaagccggt atccaggctcg gaaacgcgtg ctgggagctt 180
 tactgcctcg agcatggcat tcaggctgat ggtcagatgc ccggtgacaa gaccattggg 240
 ggtggtgatg atgctttcaa caccttcttc agtgagactg gtgctgggaa gcacgtccct 300
 cgtgctgttt ttgatgacct tgaaccaact gtcacgatg aggtgaggac tggcacctac 360
 cgtcagctct tccaccctga gcagcttata agtggcaagg aggatgcagc caaca 415

<210> 24095
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G5

<400> 24095

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 caagatggag gactcagcca acccatctt catcgacatg aagtactgcc ccaacaagtt 180
 gtgtactgcc aacggcgcct ccaaggtcac cgtcaaggat gtcaccttca agaacatcac 240
 cggcacctcc tccaccccgagg gcccggttag cctgctctgc actgccaagg tcccatgcac 300
 cggcgtcacc atggatgacg tcaacgtcga gtatagcggc accaacaaca agaccatggc 360
 tatatgcagc aacgcccaagg gcagcaccaa gggttgcctc aaggagcttg c 411

<210> 24096
 <211> 221
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-F10

<400> 24096

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gtgatatatatt taacaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaaaaaaa 180
aaaaatacaa ataaaattca acatacaaaa aaataaaaac a 221

<210> 24097

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-G6

<400> 24097

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acctactccc gtcacaccac ctcctatgcg actacgacta ctaccgctac ctttcccgtc 180
tgccacccgg tcacccccga catcttccac gagtcgccgt caccgcatct acaccatttt 240
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cgggtggcatc gctggaggag ccgcttggca cggagatgga ccagggtcat gtgctgcttg 360
cgcaggacca gcggttgacg cacatggcgc tcgtgc 396

<210> 24098

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D5

<400> 24098

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ctcctacacc gctgcacgga accagtctcg tcctcactgt catcgccgat cacatgtcac 120
aggctcgcag atccctgggt ttagatgtta ccaaagaagt atcttttcat gagaagcaat 180
ggatatgatg gagttctatt ctttattaag catgcgctcc ctgcgccgcg cccgtctcgc 240

actctcgcca cacctcacca ccggtggagg agcagcaggg ggagaccggg ttggaggccc 300
gcaggaggcg gagccacga tgcctatgtc cgtggggaac cagttgcagc ggccggccga 360
gtgcccgcga gcgccgcgga agctggtgtg ggcgcctccg cttccgtc 408

<210> 24099
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D6

<400> 24099

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actgcaagac cggagcacac atccagctct ctgagcacat catctacca ctcacatgct 120
actacactgc actatccgat ccaacatcca attaccaatg acgtatcaca ctttgagaca 180
ctctgggccc cttggtacgt gctatattgt cttaatcatg ctctggatca acacacattg 240
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aggctgatat tatgccgaac ctacattgcc tattagcatg g 341

<210> 24100
<211> 255
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D7

<400> 24100

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gatcctacca tactttctct tctttctctt gctcatctga tctcttttta tattcatcaa 180
caattctatc caactaatct tttttattaa tcatgctcta cctctccaaa catactctcg 240
cactctcgac acacc 255

<210> 24101
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D8

<400> 24101

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aaggacgtga acaagcccc cttcaatagc atgggtctcat gcggtaacat cctcatcttc 300
aaggattgac tgggttgagg gtcttgcttc aagatcaagt tctataagcc tgttgagtgc 360
tccggcaagc ccgtgggtggg gcacatcacg gacatgaact atgagccta 409

<210> 24102

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E1

<400> 24102

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aaaaaaciaa aaaaaaacgg gaactttttaa aatcttgtgg ttacctaaaa acatacctac 120
atttctatcc atccaccggtt ttcatacacc accttcccac attataattt ttctatacac 180
taacttcaac tcatttcaaa gccccctctc tttaaaactc ttactcttct aaaaaacctt 240
tccttttccc atctcaatcc cctacatcca cttccccctt tccccactg tctttctccc 300
aaaaccctc cctacattcc cctttccatc atttttacac tcctaatttc cttt 354

<210> 24103

<211> 366

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E10

<400> 24103

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aaggacatgc taatcaagga cgtgaccgtg acggcgcccc gggacagccc caacacggat 120

ggcatccaca tgggcgactc atccgggatac acgatcacca acaccgtcat tggcgtcggc 180
gacgactgca tctccatcgg ccccgggacc tccaaggtga acatcacccg cgtgacctgc 240
ggccctggcc acggcatcag catcggcagc ctagggcggt acaaggacga gaaggacgtc 300
acggacatca acgtcaagga ttgcactctt aagaagacga tgttcggcgt ccgcatcaag 360
gcgtac 366

<210> 24104
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E11

<400> 24104

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ctggctgatc cattgggtta tgttccaaaa gaagatatat tatatgctat aaaggccatt 180
gtcgtcacac agaggggaaaa tggaagaagg gatgaccgca cgtatagtag gatgaagtat 240
atgattgacc gttgggggaat agataggttt cgggctgaag ttgaaaaata ttacgggaag 300
aagtttgaaa gtttccgacc attgccagag tggcagttta acagctacct tggctggcaa 360
gaacagggtg atgggaaatt attctatgga gtgcatgttg ataatggtc 409

<210> 24105
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E12

<400> 24105

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ttaatatgta ctgggatcat gttgtgcgta tgtgtgtgtc gtcgttgttg gttgattctt 120
taatttggtt ccttttgctg tacttttgtg ggccatgaaa acgggggaaa cttggtgaaga 180
acataggatt tctgatgttt ctttaaagat cgactaaaaa tttagtgttc atgatagaca 240
gacagtaacg attggatggg cttaaaatag gggctcagc aatgcacgta aaataggggt 300

ctactttata tttttgacat tgctggaagt aggatataaa tggatatagat attatttggtg 360
tatactc 367

<210> 24106
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E2

<400> 24106

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cccagagaag gagtcgtccg ccaacggctt caccctggtc gggctcagaa ccatcgacat 120
cgccaagtcc accgtagagg gcatgtgccc cggcaaggctc tcgtgcgag acatcctggc 180
cttcgcggcg cgcgacgccg ccgtggccgc gggcctcccg agatacgagg tcgcggcggg 240
gcgccgcgac ggcatgcgct cgaacatgga cgacctcccg ggcaacttcc ccgtgccggg 300
ccaccacgtg ccgcgcctca ccgagctctt cagccagcgg gggctctccc aggaggacct 360
cgtcctgctc tccggcgcgc actccatcgg cggcgcgcac tgcttcatgt tct 413

<210> 24107
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E3

<400> 24107

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cattttttct actcacaact attactatca ccaaataacc ttaatcgaca tttttcactt 120
aaaaccctca tctcatacct ccacactatc taataacccc acaccacctt tttcccataa 180
cataccatat actacatttt caacattata aatcaattct attcgctata acatctacta 240
cctacaaaac tattactccg acctacctaa tacatttctc ttcaacacca atctat 296

<210> 24108
<211> 406
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-012-Q1-K1-E4

<400> 24108

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agccgccgag gtcgatgccg cgggcgtgct tgcggatgca gcggaggcgg cggcgtcagt 120
gccagcgcgc tttccagggg aggtagccgc cgcggctgcg gactcattcc cccctgttgc 180
cgcacttcag cacattatcg acgtatcca tacctttacc gggctgaact ggtgggtgtg 240
catcgcgctg acaacattta ttatccggag cgccacagtc ccgttgctcg tgaaccagtt 300
gaaggccacg acgaagctaa gagcaataaa tccagagatg gaagtcatta aagaccagat 360
gaatagtatg gatccaaaat cagtgcanga gggacaagct aaaatg 406

<210> 24109
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E5

<400> 24109

aaaaaaaaaa aaatcaaaaa aaaaaattaa aaaaaaaca aacaatataa aaaaaagcga 60
gaattaataa ctcttgcggtg cgacaatata cactctcact cccctcttac ctccccctcat 120
ttccttcacc ttctttctta caacttcatt cttttttatt ccctttacat taccctactt 180
tgtccccctt cttcacatcc cccttttgcc aaaccctta ctttcccaaa ttacctcacc 240
tatcttcctt cccaactttt ccacattctc attctttata agaaccccca ctgtat 296

<210> 24110
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E6

<400> 24110

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ccgatctttt acaacgatgc ggcggacatc ctttcacatt catccgactc ataaccatca 120
acaccagcac ctttcccata gaaggatatc tccactacta cggactcatt ccccaactttt 180

tccgcacttc agcacattat ccactctatc cataccttta ccccgctaaa ctagttcgtg 240
 tccatcacc ttacaacatt tattatcacc atcgccacac tcccgttcat cttcaaccac 300
 ttgaacacca ccaccaatct aatagcaata aattcaaaca tcgaaatcat taaagaccag 360
 atcaatacta tctatccaaa atcaattcaa tatgcacaag ctaaaattaa 410

<210> 24111
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E7

<400> 24111

atttcgaata acacagttga ggcgcactat gggatccctc gctaataaca tcatgggagt 60
 ggggtgctgc ctggcagcgc tcgtcgctg catgtcatgc gggccctcga aggttcagcc 120
 cgttctcaac atcatcacta actacaacgt caagtggctc atcgtcaggg acaactggta 180
 cggttagcct aacagcaccg gctctcccga cttcaacagc gcgtacatga tcaacatcat 240
 gaacgtctta tactagccag ggcagattgc gcctacaagc ctgttcatct gacctaccga 300
 gtacat 306

<210> 24112
 <211> 304
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-E8

<400> 24112

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 ctatgccaac gcagtgtctc tagagcactg taggtcttag ttctccagag gcccgccaca 120
 accacaagcc aaggccacag ccagtgcctt cgccatggct cccaacctca gcaagaagac 180
 gcctgctggc ctctcggcg acgaggtggc cccggtggag ggactcaagc cgtcgcgggt 240
 cacccttaag ggcaaggacc tgtccgtgga cgggcactcg gtccctgctgg acatgccggg 300
 caag 304

<210> 24113
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-E9

 <400> 24113

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 cctcgctctg cagcgacccc gccaccttct ccgactgcc caagatcctg ggcattgtcgg 120
 ccgacgcccc cgaggcggag atcttcaagg agtacgcga gaagcacgag agcaacaacg 180
 gcaccaccat tcctgccgct gcaaccggcg ccgccgcggc gaccgggaag agcacgagcg 240
 cggcgccgac ggcggacggc gccgggaggc agcccggcac ggtcttcttc tacgtcgtgt 300
 cggcgctgct cgtctccgtc gcggtcctgc tgtgtgatg gcttaacggc cggccgcggc 360
 agcgcatgca ttcattggccg gccggccggc agggagatgg aggtgctact gcacg 415

<210> 24114
 <211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-D4

 <400> 24114

 ggacgccgag gaggccagcg gcgagaagaa gcaccaccac ctcttcggct gaccgggggc 60
 cggccggcgc gcgaccgagc tagctagctc cggcgcacac aaccacacac ctgtttaatt 120
 ctgtactgca tgcgtgtgta atttgatggt tcacaataat gagtccctct ccggaccttg 180
 gtagctgctt gcttgtggtg agtgagagtg tgagactgag ggagaagagg tgggtggcgt 240
 ggggctacgt cgagagaggc gtgttcctgt aatcctgtac tcgcttcggt ttctctgcat 300
 gcgtctataa ttgtgttcaa taataagtga gagcgggtgtg atgtgtggct cccct 355

<210> 24115
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-F1

 <400> 24115

cgaagcaact gaaaacaagc cagcgatcct cttttccttt tccttttcga tccattctgg 60
 ggcgcaacga aataaacatg tctgaaccgg caaagatgtc gtggcaagcg tacgtggacg 120
 aacacctgat gtgcgagatc gaaggccacc acctcgcggc ggccatcgtc ggccacgacg 180
 gtgccgcctg ggcgcagagc acggcggttc ccgagttcaa gaccgaagac atggccaaca 240
 tcatgaagga cttcgacgag ccaaggcacc tcgcgccgac aggcctgttc ctcggaaccta 300
 ccaagtacat 310

<210> 24116
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C1

<400> 24116

ctggatcatc cggagcaggc acgactctgt gttcaagttt tagagcatca tgccagggtgc 60
 gtttgttgca ctgaaactga tgttccagac tacatacatc gacgaaggca atagatccaa 120
 gtgttgcgta ttcaaagggtg atcctgcaaa ggttgctcat cactgtggca gcagcaaaga 180
 agttaaagag aaaataagca tgataatgga tgaacttgcc cttgatggat atcaggccat 240
 agctgtagga catcaagtag actcttggtg ggactttatt gcccttctgc cttatacaga 300
 tgaccttaaa agcgatagtg ctgatgttgt cgatagcctt atcgatctag gtttagatat 360
 aagagtcctc acagaaagtc cattgtcgac caciaagcac gtttgtggaa agct 414

<210> 24117
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C10

<400> 24117

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 atcagcccct aagtcacgt cgatacaca gatgcgattg cgaaaggtag aagccgattt 120
 ccaccatggg caacaagcaa acgtaagggt tgctgcctt ctagggtcac cttggtgaca 180
 cgcccaatca aggaactttc agccctcttt acatctagca aggcgttcgc tagctacatc 240

gctcctccat agcatgccct cacgaaacag ggatctctcc agcacgtcca ccaccggttc 300
 acttctcat gtgttcagga acgatccgat ggacaagctc gattgggagc ctttcgagtt 360
 cggctgctgt gaagtcgaac agcgctggca gcggctgtcc acttggcaag c 411

<210> 24118
 <211> 281
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C11
 <400> 24118

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 catctcccc taagggatgg tcaatacaca aaatgcaatt gccaaatgta caaccgatt 120
 tcaaccatgg ccaacaccca aacttaaggt ttacctgccc tctatgataa ctttgctaac 180
 acccccattc aaaaaacttt catccatttt tacatctatc aacgcgttca ctatctacat 240
 cgctcctcca taacatgccc tcactaaaca ggtatctctc c 281

<210> 24119
 <211> 262
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-C2
 <400> 24119

cgcacgcgtc cgcccacgcg ttgcgccact cttactgtct agctgcttca tcctaagggg 60
 ccctatataa gtgtccatct gttgcatcct aaatccttcg ctagttgcaa catgaacttc 120
 tagccgaaag catattcgctc gtcaaaaagg gactccgaga ggtccagaat taggtcctcg 180
 gcggtgatct ccgaaggtgc cacatcttcc gactaagccc ttgactgata tgggtcacac 240
 atcagtccca taagccgttc at 262

<210> 24120
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-C3

<400> 24120

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ctccacngat cggctccaag cccgcagaag acgagcaaca gcagaagcgc ccgtctctct 120
tctcgccgta ccagatgccc cgcttccgcc tcacccaccg gtgagcctcc atcgcggtgg 180
tgctggcgcc gatgaccagg tgcagggcgc ccgacgcgat cccaggcccc gcgctcgcgg 240
agtactacgc gcagcgggtcc acggagggcg gcttgctcat ctccgagggc accatcatct 300
cgccgtccgg ccctgggttc cctcgtgtcc ctgggatata caatcaagaa cagactgatg 360
catggagaaa ggtggttgat gctgttcgat ccaagggagc tatctttttc tg 412

<210> 24121

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C4

<400> 24121

cggacgcgtg ggtggggata ggatctcagc tcactctggga ccgtgccctt gtcttggggc 60
ttgataggcc caagagtgtt accatggagt ggctggagaa ctactgctag aacaaggctg 120
cttgaagctt ttcacacatg ctgctttttg gcaaccttgg ctgttaataa tttaaacgcg 180
agttatagaa atagtcattt tcctttggcc gatgaataac gcaagagcaa tatgctcagg 240
cggaagaatt ttgtatcttc cgtaacttgg tgaacatcca gatacttgat ctgcggcaac 300
aatgggcaga agagattagg acatgctgat tgatctttat acgccaacac ttgcttttct 360
ttaacattac ttgttcgctg cagtttaatc cagctgtttg taactgc 407

<210> 24122

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C5

<400> 24122

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tggcgctcgct ctggctagcg agagcgctcg cccagctggc gcgccgtgcc gccgccagga 120
 ggccctcctcc gcgtcctgcg cgccacggct ccgaccaacc caccagtctg tggttcctgg 180
 gctcagtgcc gccgccggcc cttgggtcag cagcggcgga cacctgccgc cgcggttct 240
 gctccgtccg gcgcttcgca ggggagagca gcgctgctgc tgctgcggcg gctgtcgctc 300
 acgaggagcc ggagagcggg ttcgcagccg gcgatcagca ggcagttgac tttcctggag 360
 ggaaagtatc ctttgtggca gaaatgaact tccttcaga atcgacgagg g 411

<210> 24123

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C6

<400> 24123

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 tcggcgagc gggccatcac gttcaaggac accggcaccg ccaagatcat gctgcagctc 120
 gccgtccagg acttcgactc gtgcgaccgc cccttcaccc aggccggcgt ccccaacccc 180
 atggggaagt ttgacaagga gctcaaccag atggccaaca actgcatggc tcttgcaaac 240
 atgatatgaa ccacgcatgc aaccccagcg tgaggtgcca tcgcatgcac ggaatgcttg 300
 cattcatttt tcatttaatt aagaattcat tgaaattatg agttatatat attgagtaac 360
 tctaigtatt tgttcctgac ctgcactatt tattcaatag tatgtcatg 409

<210> 24124

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-C7

<400> 24124

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 ctcggtgggag ggagagagag agagagaggg agagaaatca aagaggagag tgatcatgga 120
 gcatgtgatt ggaggggaagt ataagcttgg gaggaagatt gggagcggat ccttcggaga 180
 gctatatctc ggtgttaata tacagaatgg agaggaagtg ggaataaaat tggagcctgt 240

<210> 24127
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D10

<400> 24127

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aaagagttct atttgagcaa gtacagtgga aggcgtttta tgtggcagaa ttctttggga 120
cactgtgtct tgaaagcaga ctttcccaaa ggcaaaaagg aactcgcggt gtcattgttt 180
cagagtgtgg ttttgatggt gttcaatgac gcacaaaaat taagcttcct tgacatcaaa 240
gattccactg gtatcgagga taaagaattg agacggacac tgcaatctct tgcattgtgt 300
aaagttcggg ttctccaaaa gataccaaaa gggagagatg tagaagataa ggatgacttt 360
gtattcaatg aagatttttag tgctcccctc tatcgcataa aggtaaatgc aattc 415

<210> 24128
<211> 292
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D11

<400> 24128

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cttccgggtg gagagcccg c ggggtgaagta cggcaacggc aagatccatt cgaagtaccg 120
ttacaacacc accaaattct tccggccggg aattgccgcc gccccgggtt ggttgttccc 180
ccaaaggtcg tgaacttaca ctctaaggac cagcaciaaac ttccaaaaat ctgggggtgaa 240
cgctcgccat atggcgcgga cacaacggca ccactctcag gcccgggtgat at 292

<210> 24129
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D2

<400> 24129

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atgatttggg agcttgcaga gactggaatg aatgtagcgc gccttaatat gtcccatggt 120

gaccaccagt cgcaccagaa gggtattgat ttgggtcaagg agtacaatgc acagaacact 180

gatggcaatg ttattgccat tatgctggac acaaagggtc ctgaagttag aagtggggat 240

gttcagagc caatcatgct caaggaaggt caagagttca acttcacgat taaaagaggg 300

gtgagcactg aagacactgt cagcgtgaac tatgatgact tcataaatga tgttgaagct 360

ggcgacatac tattagtggg tggaagaatg atgtcgcttg ctgtgaagtc taa 413

<210> 24130

<211> 412

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-012-Q1-K1-D3

<400> 24130

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ggggcagaga aactaataaa actctcgccg ncgcatccg agcgaacaag ccaaccgacc 120

ccgtcccaa ggcaatccgc cgccgacgta ccaccaccac cgcaggagcg agatggagat 180

gaagaggatc ctcttcgccc tcctcgctgt catcgccgcc tcggccaccg cagtgtctggc 240

ctccaccgag gccgcccgcg cgggcgcccc aactgcctcc gagtcgtccg ccgaggctcc 300

cgctggcgct ggcgctggcg ctgccgctgg cgccgncgnc tcggggccct ccgccagcag 360

cggcgcgccc gccctcgccg ccgcgcccgc cgcgctcttc ttctccctcc tc 412

<210> 24131

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B9

<400> 24131

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cttgacgtct aaggctagtg ctactccaaa ggatcagttt gttactgctc ggcggcaaga 120

tttgctgtga agttcaaagc atggagcaga cactaagtcc gagaaggata atttcacagt 180
 attacataag gctggcaatg gtcctgttgt caaagaacaa tcacttgatg cccatgcaag 240
 caaaagtaaa gctcaaaatg taaaggcctt gcctaataat ggtggatcgc tcgctaacat 300
 gttacgccgt gcatcaacaa aacctaagcc tgcaagtacc actaatttta cagctgtagc 360
 aagtgttaca gctactgctg atgcacaaat ttgtgc 396

<210> 24132
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A2

<400> 24132

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 tcaccgacac caacggcgcc gtcgtggtca cggtaagggt tgccttgatc agcatccaca 120
 accgccgccc cctcctcgac gccgtcggca acccctcct ctgcctgctc gagaaggtaa 180
 tcagcatgca caacacgtgg gaagcgtaca gaggggacag cacgagatcg agcgacctgc 240
 tcttcaccgc caagaaatcc tccatcatcc agccgttcaa gaccgagatg ctcatctacc 300
 tggcctgcaa cacctcgac gaggcctgctg acttcatcat gaagggcagc ttcaaggaga 360
 ggtcctgctc tttctacctc ggcggcaaca actccaacgc cttgatcgct aaaat 415

<210> 24133
 <211> 299
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A3

<400> 24133

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 gccgtcagcg tcgatccggc tccgcaacgg gagcctaaac gcggtgcgcc tacgccgct 120
 gttcgacctg ttcgaccgca acggggactg ccagatcacg gttgacgagc tggctcatgc 180
 gcttgacgcg ctgggcctcg acgcggaacg cggcgggctg gccgccaccg ctggcaccta 240
 cgtgcccgcg ggcgcgcggg gcctacgctt tgaggacttc gaccggctgc accgagcgc 299

<210> 24134
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A4

<400> 24134

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 gtgctagccc tcgcgctagt ggcgccacc ggcccacagg tagcggaggc aaagaagaag 120
 agagcggcgg agagcggcga ggcgggcgag gcgaagaaga tccaggacga cttctgctcg 180
 acgctgtgcg agggcaagaa ggggacggac ctggtcgtgt gcaaggagtc ctgcgcgctc 240
 tcccagcagt ccaacctggt gctgtacggc aggatccagt gcaagggcaa gtgcaccgag 300
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 gtggtgaagg cggccgaggt caccaaggcc tgcagcgtca cctgcgcc 408

<210> 24135
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A5

<400> 24135

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 agaccccgct caagtatccc ctctgcatcc gttcgcgtgt caagtctggt ggctaccgca 120
 tcgccgacga cgtcatcccc tccaatttca aggccggcac cacctacaag accaccctca 180
 gcatctgatt agcctcttat gacgaataat attttgagag agctcatctg gaccatgtgc 240
 cagcgagcta atattttaatt tttttctttg gttatattga ggcaccacat gagccaagaa 300
 aaaagttatg ctacatgtcc cttctcgcgc cttattgcgt taggttgata tgcattgatta 360
 catagattaa aatacacttt tatttaagat tttttgggga gaaatatatt gat 413

<210> 24136
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A6

<400> 24136

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cgatcgttca agaaaaatac cagcttacca acaacagcag cagcaagccc acccgttcga 120
cgacatggcc cgcctcggcg cggcgccgt gttggcgctc ctagtggcgg tcgcggcggt 180
ggccgcgttc ctgcgggtgc cggcctcggc gaagtccggg gagctgagcg cgatgggggtt 240
gctggcgcg aagggcgga gggcgcggg ccgcagaag tgctcggcg cggtgggcga 300
gtgcgacgtg gacgagcgagg aggagctcgg gctgagcggc ggcggcctcg gctccgacga 360
cgcggtgcgg cggacgctgg cgcagcggaa gccgaccaac cggtacat 408

<210> 24137

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A7

<400> 24137

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ggccgacggc tacgagctac gtagccgtgg tccggcgagt cggggattcc aggtccttga 120
caatgacca ctggaaaagg caaatgcac cattaggagc agaactctca tgaacaagct 180
tgttctgcct ttacttttgg ttgaacttgt gataaccaac ccaaactgcc aaaaaatctg 240
gtgttgctac atttgtatca atctttacct gagcttgtgt ttttgtaagc ttatgcatgt 300
acctccacat gtatagatat gctacctaca ttttctttct gtggcatat gatatgttga 360
caaggtcaca gatatactct cagtatatga tgacgcttct atgaatctat a 411

<210> 24138

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A8

<400> 24138

cccacgcgtc cgcccacgcg tccgccacg cgtccggctc attaccaatcc ttcattgggag 60

catcactaca ctacactaca ttagagagag gtcgagcgcc cctcctgcga tccgccggcc 120
cgccgagagc tagctgctga tcggtcgagg agagtcatgg cgacgtcaac gatgcgcgtt 180
gccgccggcg tgctgctggg cgtgtcggtt ctggcgacct tggccctggc cgacgacctc 240
tacctgttct atcagtggaa ggtgacgtac gggaccatgt ccctgctggg agtgccccag 300
aaggtcatac tcatcaacgg cgagttccct ggccccagga tcaactgac ctccaacaac 360
aacatagtcg tcaacgtctt caaccagctc gaccatccgc tccttt 406

<210> 24139
<211> 408
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-012-Q1-K1-A9

<400> 24139
cggacgcgtg ggtagagga cctgtccaat agagtcgagc tgagcacggt tgggtggggt 60
cggctgctaa ggcttcacag ggcgaatgag tcgtccgaac acggaagctt tgagtgggtg 120
cctctgacca tagagtccgg catccctttg ttagccac agctctgcga gaggatctgc 180
gagagggtcg tcgagtcaca gatgcttcag aaagacgaca tcgctgagca ctacgagacg 240
atgcagaacg tgaggaggag gctgagagag ctgtgcaccg agtaccaagc gaccggccca 300
acggcgaggc tgttcaatca ggggggaggc tccaagaaca cctncccgcg caaactgggtg 360
cagatgggtca gcggtagatg gagcccgttc catgatccgt ctacgccc 408

<210> 24140
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B1

<400> 24140
ccgacgcgtc cgccacgcg tccgccacg cgtccggcca cgcgtgcgcc cacgcgtgcg 60
gccacgcgtc cggaaattcg ccgcttgatg tgtggatccg tcgaggctgc cgtcaagcat 120
agacaccaag aaccagacct cgggggtgat catcggggtc gcggaggtct actggatggg 180

gtcaagaagt atccgggcaa gtcgtctctg ggaaccctgc ttattgctcg ccggatgcta 240
 gcgccgccgt ggactgcgcg gctccgagaa gtcgacgtcg tcgcgacata tcccaggaac 300
 ctccggactt ggaacgaaac tgtccataat atggaaagca tgattgggac gaaggtcgaa 360
 tcaattctga agctatgcgc aaggaagctt cggctcagta gcagaaa 407

<210> 24141
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B10
 <400> 24141

cccacgcgtc cggattatcc atagagactt gaagtgtgat aatatttttg ttaatgggga 60
 ccatggagaa gttgagagtg gagatcttgg actagctaca gtaatgcaa cacctagggt 120
 gaggagtgtt attggtaccc cagaattcat ggcacctgaa ctttatgatg aaaattatga 180
 tgagcgtgtt gatatttact catttggaat gtgtttgttg gagatcttta ctcttgaata 240
 tccatacagt gaatgtacga atccagctca gatttttaag aaagtatcca cagggtgttaa 300
 acctgctgca ttggctagaa tttctgatct tcaagtaaag cagtttattg agaaatgttt 360
 agttcctgct tctgagaggt cgtctgccaa agaacttggt caagacacat t 411

<210> 24142
 <211> 125
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-B11
 <400> 24142

gtccttccaa attccgggtg cgaccacgc tccggctatc accggtacct tccttttccg 60
 ctgctcgcta tgctgtcctg tctcttacta ctgcgggact gaccaactcc tagttcactg 120
 cctac 125

<210> 24143
 <211> 415
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B12

<400> 24143

cccacgcgtc cggtattctc tgactgttgc tatacaaagg acctgacaat tctggggatc 60
gacttgacaa aaggtggaat agttgacaat actccacagg ttttccagtt gcaagtggat 120
aacggcatat cgattaagag ctggtttgat gacccctcat atcaggaact gatcgagttg 180
ctcccgttct tggagagcct cgtggattca gaggacgtga ggccaataat ttcaaagacc 240
tttcatgaca aacttgagca gaattagttt gaggcgacag atgtatcatc cagtgaacct 300
gtcgtgaag ttagcttcgc tccacatggt gcaggccatc attcttggga agttagatat 360
aggatgaaaa atcacaattt ctgttatgtt agctgttaca aatagcaagc ataaa 415

<210> 24144

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B2

<400> 24144

gactcgagct cggaagttcg catcgaagac tgctacatcg aaagcggaga caacctggtg 60
gccatcaaga gtggctggga ccagtactgg atctcatttg gcaagccgag cacgaacatc 120
gtcatccaga gggtttcggg cagcactacg acttgctcgg gcgtaggcta cggcagcgag 180
atgtcaggag gcatatctaa cgtgctcgtc cgtgacctcc acgtgtggaa ttcggcgcag 240
gccgtgaggc tcatgaccga cgtacggagg ggtggctaca tcaccaacat caccatagcc 300
agtgtggcca tggacaaagt taaggtgcct atgaagttca tgcgaggcac agatgaccat 360
tctgacgaca ggtatgaccc ggccgagctg ccgatgatca gcaacgtgct 410

<210> 24145

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B5

<400> 24145

ggttgtagcc atcatcgcgt gctcgtcggg tagtagagag aaaattgaga tcgcgggcag 60

ttgattgagg tcgcaatcgc accttcgcct aagccaactc aatgcttctg aagatcgtag 120
 gcgcgcgcgcg cacctggctg tatectcgtg tggcgaagac tgtggctggg cgctgagaac 180
 agagatgtcg cgctggatgc tcatcggggc ttggtgacgg accgtcgtgg tcgccctggg 240
 ggtggaccct agctgcgcgt ggaggccggt gccaaactct cccctctgt gactactaga 300
 aggccatctc cttccgcgcc gccgttttgc atacaccgat gaagaacctc gtggtgtcat 360
 cgtgggggtgg cgcggcgact tctgggaatt gcctcggcga agattgggcg 410

<210> 24146

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B7

<400> 24146

tcccactcct octaatacaa taaatattaa aacaacacca aacaaaaaca taaaaaattg 60
 gcaaattaaa aaaataagac tgaaatctaa aatattaaaa cctctaacta actactccac 120
 aaatccattt cgagaactac atcactatct ccctcactga caaccactgc ccctccatgc 180
 acacaccacc acatctcgcc ctgcgccatct actccacact ttctgacatc accatcacca 240
 taatcatgct caccaacgct cgttccacct ttagctcaat ttctctcact tcgcgtccac 300
 tacttccttg acgacaactc cttcgttctt caatccctag ttccaccaga tcctaacctt 360
 c 361

<210> 24147

<211> 409

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B8

<400> 24147

cccacgcgtc cggccgacca aacatatggc caaaggatca tcttcttgag cttgaggtag 60
 cattcaaagg tcttggaata ctgatgttgg aagttggctt gatgttggct cgtcattgtg 120
 atcgctatgt aatacagcga ggggtgggac aatacattgg tgaaagcctt gagaagacac 180
 ttgctagctc aaggtgtccc aagggtcgct tgctgtacta cttccccaaa tcgttttagca 240

aacaggacga agtttcgtca tgggtgtggat ggcatactga ctatggattt ttgacaggac 300
 ttacatgtgg tttgttcacg agaaaatcag aggaggtccc ctgtcctgat attggaactg 360
 ggctgtatgt tcggactcgt gataatcaag tcgtcaaggt cacacttgt 409

<210> 24148
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-A12
 <400> 24148

cggacgcgtg ggcggacgcg tgggtctcac catctggttc atctggcca atgcttgatc 60
 atttgtcaac aggtgagctc caaagttccc agaggtcatt ctatctgaag tccagtgcac 120
 gaaggtagct catgttgcaa ggaaagaaat caacgaggct ttctatacat tgcgcaatgt 180
 tgcttctgga aaagatttga aaacatatct gatgacagtt acagtgtgtg ggttcatttc 240
 cataattgga agctgcttca gtttcttgac tctgtcttac actattttcc tgatggcata 300
 cactctgccc atgttgtatg agaaatacga agatcaagtt gatgtcgtag gcgagaaggc 360
 cctcattgag ataaaaaagc agtacaaagt gattgatgca aagtttatct ctaagatc 418

<210> 24149
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-G8
 <400> 24149

atggattaac agtaaaacaa acaagccctt aatgagtcta gttgatataa aatggattaa 60
 gtgacatgga aaaaaaaaga aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataaaa 180
 aaactcaaaa aaaaaaaaag gggatctatt ttaaaattac caaaattaaa gttcactaat 240
 tttaaagaat aaatctatct aaaatattca caaaatctaa attatatggc cgctaataaa 300
 aacgtataat ttggaaaaac catcatttat caagattaaa tcctcagtga ataaattcat 360
 tctatggcat tagatacatt tactaaaaga cctat 395

<210> 24150
 <211> 376
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-H1

 <400> 24150

 cggacgcgtg ggggtttacct gaagcacaag aataaacgca gccgggcatg ggcgaagctg 60
 agctgaacaa cgtgaccgtc ctgctgggtgg cctcctcct cctgagcagt ggcgttcagg 120
 acgctgccgc catgccaggc acgttgaact acgacgcgat tgtcgccgac gagccaaacg 180
 gaaagaacaa ggacctgtac cgtcccgtcg ccaacgcaa taaatacacc cgcggtgtgc 240
 agcccataga acgctgcagg ggcgcgcgct gatcaccaag catatacata tagcacatcg 300
 atttcttatt attgcatgca cgtttatata aaaaaaaaaa ctaaatacat aaaaaaatac 360
 tatgaaaaca aataca 376

<210> 24151
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-H10

 <400> 24151

 cacacgcgta cgcactccta ttctctcatc actaagctca aactgattac cctcagtgcc 60
 attactggct caagctcaaa cccttcttta acaataccaa cttctatgtc tcatacgttg 120
 acctagctta attctaaata tattatactt accccatcta catacaagaa ttctcaacac 180
 cacgacaagc cagtattaga cctcatatca tcctataact tcctcatata caatgaactt 240
 tactggcttc ccatctgata cactaaacat gaa 273

<210> 24152
 <211> 326
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-H12

 <400> 24152

ctcactcctt ctctctcttc aattacctgc tcaataaact gcaacgatgt cgaaccgtgt 60
ctcagaccgt ttctacgagc tttcatacat tgatacatatc attgctatac cctatttagg 120
acaacaacgt attcttatgc atatctccat gctgatctta ctactcctta tccatgaacg 180
gaccattaca tagactcttg ccataatcc ttcacataat cctccaaaaa atcagaagca 240
tcaccttttag catcaaattt atcttcaaaa tcactcctcaa aatcaaactg tgcatacaat 300
tcataatcca attcatcatc caaatc 326

<210> 24153
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H2

<400> 24153

gtgaagggag agatagtcct cgcacaattt agcggtgaca actcctggaa cagagctatg 60
attggtaatg gacctcggtc tgggtgaatct ccggacgaca agtttgaagt attctatatt 120
gactatggca accaagaggt gggttacctac agtcggtttac gacctgtaga cccatctggt 180
tctcgtctc ctgctcttgc tcagctatgc agccttgctt tcataaaagt gccagctctt 240
gaggatgact ttggtcagga agcagcagag tatctaagt aatgtttgct cagtagctca 300
aagcaatacc gggcaatgat cgaagaacat gatacttctg gggggaaatc aaaaggacaa 360
ggaaccggaa atgttctcat tggttactctt gttgatgcgg agacagaaag tagcataaac 420
actaccatg 429

<210> 24154
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H3

<400> 24154

ataccttcac tcgtgagata gacctcgcac actttatcgt tcacaactcc tcatacatatc 60
ctatgggcgg aattcaccac catctgggtga atctccttac tactattctg aactattcta 120
tattgactat cccaaccacc aagctcttac ctacattcag ctactaacct tatacccatc 180

tacattctaa tctcctgctc tttctcacct atgcaccact tgctttcata atcatgccct 240
atctagacta tgactctcat cactactcac ctcaatatct aatcactgt cttatcagta 300
actcatatca ttaccgggca atcatctaag aacatgatac ttacgattgg aatcataac 360
gtcaatgaac cgtaaagtgt ctcat 385

<210> 24155
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H4

<400> 24155

tccactcgtg cgataaccct ttcacagact ctttttcaca acccttgcta cacacctatc 60
gttggttaact taccttgctc tgtccaatct tcttaccact aactatcaat attctatatt 120
tactattgca accaacacgt ggttacctac acatcttcta ctacctatca acccatttgt 180
ttcctattct cctgctcttg ctcaacctatg cagccctact ttcatacaac ttaccattct 240
ttatgattac tttgttcaag aaccattaca ctatctaaat caatgtttgc tcaatcactt 300
aatcaatac catgcaatga tcgaacaaca tcatacttgt agatcgaaat taaaacgaca 360
tggaacctga aatcttcata atcgatctct attttatac 399

<210> 24156
<211> 252
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H5

<400> 24156

gcgattcgaa attattcgaa ataaatcgct catgaatccc tgaagcctgc atatatgtgt 60
ggctcccaag attcaggcgg atgagtcgcc acccagcatt cagccacgcg gtaatcttct 120
tttccttctc actgtgctca cctatatgga acacgcaagg caatgcgaca agtacagtga 180
acaatttcct ggctcattca ttatcccata ccactgggac catttttacc ccggcaaaga 240
cttttttgcc ca 252

<210> 24157

<211> 456
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-H7

 <400> 24157

 gttctagatc gcgagctgca tccggtcggcg ccctgtgagg gagaaggatg catatgatgc 60
 ggcggtctcaa gagcatcgcc tccggccgct cgtccgtctc cgatccgggt ggtgactctg 120
 gctccaaaag gccaaaattt gagcaggatg gagcaggga tattgttatt gagccacact 180
 taactgagggc caagcctgtc cggatagacc aagaatcatc atcatcatct aatagggagg 240
 ctgaggcaag cacatctact agcatgaagc ctgttaaac tgaagaacca gtagcagatc 300
 ttcttcccaa agaattgaat gatatgaaa ttagtgacga taaagctgat gaccataatg 360
 ataaggaagg tgaaggtgtt actcttgatg ggaatggagc cgagacagga cagataattg 420
 tgacaacaat aggaggatcat aatgggaagc caaagc 456

<210> 24158
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-011-Q1-K1-H8

 <400> 24158

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 ctggatgatc cagagctctg ttcccggtcg atcgagtcga gtgcgttcag ttttgagcgg 120
 gacgcggggg ttggtggcat gtgcgggtcc tgatcagaga tctcggcagg catgcagcag 180
 cagctgaagg ccgcaggtgc accacgtccc cccgggtcag catccgcgggt ggcgccctccg 240
 ccggaggccc gtcctccagg tccaaatctt gtcgggtccg agcagctgcc tggtggccat 300
 gcacagcgcg acccggcgca tggcagcaga tcgtgcctgc cgcgacctgc gatgtgcacg 360
 cgccatgatc gatctggatt ctcgagtgga agccgtncca cgtgagcggg cggctccctt 420
 acgaaaaaga tgaactatgg gggctc 446

<210> 24159
 <211> 411

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-H9

 <400> 24159

 ctgatgggaa tggcagcgaa ggagcacttt gtgcttgttc atggtgaagg gcatggagcc 60
 tgggtgctggt tcaagctccg ctggctcctt gagggtgctg gctaccatgt tacatgcatt 120
 gacctagccg gaggcggcgt cgatcctact gacccaaca caatccggtc gttccagcag 180
 tacgacaagc cactcataga cctcatttca accttgccgg agggggagaa ggtgattcta 240
 atcggacatg gtgctggagg gctgagtgtg attcatgcaa tgcacgaatt tgttgacaga 300
 atcagccaag cattttttgt ggcagctaca atgctaccat ttggatttca agctgatgaa 360
 gataagaaag atggggttacc aactttgcct gagaacgaga ttgagttgac a 411

<210> 24160
 <211> 276
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A1

 <400> 24160

 cacaaaatat tgggagcata tggttcggat gcatgatatt aataagaggt gtccacatat 60
 gagccactga aaatgcgggtc caagcaaaca actcaagttg agacgcgagg acacacacac 120
 actcatctac gatcaagata atattatgac cggaggtagt catttttttg actcctgaaa 180
 aaattcgagg atccaagtcc gcagaactaa tgacatcaat aggtgaggta aattcatgag 240
 tgccgacact aacaaagtct ccgggcatca actact 276

<210> 24161
 <211> 418
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-012-Q1-K1-A10

 <400> 24161

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 agcaggaata gaacaacccc ataaaccata tcggaccata catttgcaaa agcttgctcg 120

ttttctagcc tccaatcgtc cctcaactca agcctgatga aagaagagga ggtgaatcct 180
 taagagcaag cagactttgc tgactgaaca agacatgtga cttggcaaga aagcatggtc 240
 ctttaaccatc tgcagcttct ggctgcgcct cacatcaagt aactcagctg caagcggcac 300
 cttctggaca tacctgacat cattaggaaa aatattggca ttagcacgac tccaaccagg 360
 ttgtctgcca tagttttgct ggagggacaa aaacagaagc gttcctgact ctacctca 418

<210> 24162
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-A11

<400> 24162

gatgatctga tccgcctcca gttggaaaca ctactagctg agaaagcacg gctggggcat 60
 gagaactcag tatatgcacg agaaaacaga ttcctgcggg aaatagttga gtatcaccag 120
 ctcactatgc aggatgtcat atatgtagac gaaggcatcg aagaggtcac cgaggtgtac 180
 cctacacaag tactacctcg cactgggtcg agcgtcagtc gtgcagccac tgcagctaca 240
 ccgaaatctg ctccgacgtc aacataatct tgccctgtcg tacaagcttc taaaaatata 300
 ctttttcgcg gtcattctctg agcaatagat caaagcgccc acctccaacc ttcacggaag 360
 agtaagggtg ttgtttgggt gtgacgggac cacatagggt atgctgctac tg 412

<210> 24163
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G7

<400> 24163

agaagatttg cttgagcata tccaattacc accctgagca ctggcagcct tcatggagtg 60
 gggagtaggg gtggtaatgg atcaagatcc aaatgttttt tcacaatacg ttagggccct 120
 taattaattt tagttcaaaa atgaatagta atagagctcc accctaatacc gatttgatcc 180
 ttaaaaattta tagtgtaaaa tctagagccc attaccaccc ctattgggtga gtaatcttta 240
 gtcatttggt tataaggcta ttctcaatgg ggagtttatg ttgtttctaa gactgccgca 300

tcattgtaaaa aataaaacat ggataaagca tccatcctca ctgcatagtt tcattctatg 360
 gtttcaaata catttacttc acgacttata agagttgtaa ttgtgcccag agagttctct 420
 cttaaaaatg ttgccacatc attaaaaacg cttatgtggc a 461

<210> 24164
 <211> 460
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-011-Q1-K1-F1
 <400> 24164

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 tcgagggccca ccacctgagc tctgccgcca tagtcggcca cgacggcgcc gtttgggccc 180
 agagcaccgc attcccacag gtgataccaa tttgcatgat ccttgttcgt tctagctctt 240
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 gaggagatga ccaacatcat taaggacttc gacgagcctg tgtttctggc cccgatcggg 360
 ctcttccttg gccccaccaa gtacatggtc atncaaggcg agcccggcg tgatcatgctc 420
 gggaagaaag tactgatgat cccgcgtcgt ctatgctcat 460

<210> 24165
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-F11
 <400> 24165

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 ggagggcgcc ggctcgtgct ccttctccac gccgttggcg tcgaggagca gggacgtgag 120
 ctttgacacg cgtggcccca tcgctgggag ggggtggggc gaggacgagg cgacctgctg 180
 ctgccccacg ttgcgcgccg tctgcaggtc gtcgttctcg gcgttcatca ccgaccggcg 240
 cccgcgcgcc tgctcggcct cctccgcctt ggggtggctct ggcttctcgt tcggtgagcc 300

ctgcgaacca cttgacggag gaggaggagg agggttcccg atgcccatgg cttccatgcc 360
gagcttctcg ttcttctgcg cgcgggacag cagcgagcca gctgagccac 410

<210> 24166
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F12

<400> 24166

cttttgagaga tgaaggataa ccattatgat gctagaacat ttgccgtag gttgaaggct 60
acgatggaaa ccatggataa ggaggtaaag aggtcaagg tggcagaaca gctgtataaa 120
cattatgctg caacagctat tcccaaagga atccattgtt tgtctctgcg ccttacggat 180
gaatactcct caaatgctca tgcacggaaa cagttaccgc caccagaact gttacctttg 240
ctttctgata attccctcca acattatatt ctagccagtg ataatatct tgctgcttca 300
gttggtgtca gctcaactgt acgatcttcc tcaactgcctg agaaagtagt ctttcatgtt 360
attaccgata agaaaacata tcctgggatg cattcatggt ttgctcttaa ttc 413

<210> 24167
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F2

<400> 24167

cccacgcgtc ctaacacctg caatgggaga gataccatgt ttgttttgcc gcctctgtct 60
gctgactagt acattcaaag ggcttatgaa ctcttatgtc tcattcttag gattcaactt 120
tctaagtatc ccccatcaac tctcttatct tctgtgtacg gcacctctg tttattcaag 180
ttattcatga atggttatct cggcctttgg gtatgttcat acaatagcca cctttgaaat 240
ggctgcagg tttcacgcat tgatccagta cactgatgca gatactgcct cagctgctag 300
agaagcctga gattgataga gcatcctaag ttacttgctt gcataacacg tttcatcctg 360

<210> 24168
<211> 429
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F3

<400> 24168

cagcggctgg aggctgctgc cggggtcgcc ctccaaggcg accagctgac ccctttcggc 60

cggagcctct tcatgggagc agctggcggc cgcgagcatg gcagtggcgc tgggagacta 120

cttcctcggc cccagcctcg acgctctggt gcagcagctc gctgagaacg acgcgggacg 180

gcacgggacg ccgccggcca agaaggagcg cgtggaggca atgccgaccg tggaaattgc 240

cgggtggcaac gatgacgaca cggacagctg ccccgctctg ctggaggact acacggccgg 300

cgagcgcgct cgggagatgc cctgcaagca caggttccac tccaattgca tcgttccgtg 360

gctcgagatg cacagctcct gccctgtctg ccggttccag ctgccgggca ccgacgacaa 420

gggctcatg 429

<210> 24169

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F9

<400> 24169

tcggggattc ctgctccgag agtggcgccg acaaaatgct attcaccttg aggaaaaagg 60

agaagaagga gaaggagctg aggagccaaa tcatcgttga tgctgaagag tttaagaaag 120

cttttggtga gaagagaaag ctcaatgctg agacaagcaa gggccaaaac cgtgacaggg 180

agaagctttt cctagcaaac caggaaaagt tccatgctgg tgcggataag caatactgga 240

aggcgatatc tgaacttata ccacatgaga ttgctaacat cgagaagaga ggggcaagga 300

aagacaagga gaagaagcct gggatcgtgg tgattcatgg accgaagcct gggaagccaa 360

cggacatggc acggatgctg cagatattgc tgaagctgaa gcaca 405

<210> 24170

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G1

<400> 24170

atggcgagga gggcgactgt gatggtgctc gcgggggcgc tcgcggtcct cctgctggcg 60

gcggcgctctt cgaagacggc ccccggtggc agcgccgccc gggacgaccc ctcggcagcg 120

gcggctgcgg ccgtcacttc ttctcgtgac ctgcagaagg atggatcggc ggctgcagcg 180

gaaggggaagg ggaaggagaa ggagtgcgag ggcgccaacg acgaggacta gtgcatgatg 240

aggcgcacgc tggccgctca caccgactac atctacaccc agcagcacca cggctgatcc 300

aatagaatcc gtccctacgtt acatgcgttg ctctcgtacg tgtgttcgtg tccgtgcgtg 360

ctcgtgtcgc gtactcgtgt gtgtgtgtgt gtgtgtcgtg tgaaacgcca gcgc 414

<210> 24171

<211> 377

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-011-Q1-K1-G11

<400> 24171

cccacgcgtc cgcggaacgcg tgggtccgaa gctgaatggt agttcacgct gagcaacggc 60

gattggcccc tgtggactca cttgtacatg aaactgtagt gccagccaac cagaataaat 120

gtaaatctag tcggccggcc ttccaaagag aagttcttta ggcctaggaa agaaatgtaa 180

tcctgttctt aagcttagcc tccattaggg gtccttcaat atccgattag ccaatgaaat 240

tggctcttagg accatggttt tagtaaacca gttaatcaaa tctatattcc tggagttgcy 300

tggcttaaaa tnaaccttga tatatattca gcttcacaaa aggtggcagt atatacaaat 360

tttcttgtga aattgta 377

<210> 24172

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G12

<400> 24172

cggacgcgtg gggcagcatt taagctgcct caacactgaa gccttcggga ccgccaggtc 60

tattaagtgc agccatgggt gcctgtgcaa cgaagcctaa gacgcttgag gggaaagccc 120

cagctgagggc caccatctcc acacccaagg ttgcacctga gaccactgcc atccacattg 180
 aggttgcggc gaaacaggca gtagttgaga aggtggagga ggacaaggag gaggcactaa 240
 cagtggcggc gaaacaagag ccagcagcca ccatcgagcc tcaacagatt gctggtgagg 300
 tgaccacttc ggaagtggcg gtcgtcgttg tcgagcctga gaacaaagag gaggaggaag 360
 ttgtggagaa gaccgtcatc gagaaggaga agccatcagc agtccatgaa gagg 414

<210> 24173
 <211> 165
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G2

<400> 24173

gtgacccggg cgcaatgccg ggagccgtga tcgtgcacca ccacacgagg tacaagacgt 60
 ggcgcggcga ggtcaccggc atcgccatct tctcgtgctt catcgccctcc gtcgccggct 120
 gcatcttcgg ctatgacatc ggcctcacat ccgggctgac gtcga 165

<210> 24174
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G3

<400> 24174

cccacgcgtc cgcggacgcg tgagtgggccc ttcatttctc ctagaaagtc gagaggagaa 60
 gaaggcgaga cgtgcagtcc gtcgggctcc gatcgagaac aggggaagcaa gaggctgcta 120
 gatcgagctc atcaaccaac caagtcgtac gtcgtcagca tcacgaccgg atggcgcgctg 180
 ccacgtccag ctatgtatcc aggagggggc tctccacagc gatgacggtg gccgaggagt 240
 ccgtgaagaa cgtggaggac aaggcgggtga agctgggaac tgtggccaat gacatcgcca 300
 gcgctatggc caccacgacg gacgagaaga cggcgttctg ggaaccttac cccgagaccg 360
 gatactaccg tccggtcacc ggcacg 386

<210> 24175
 <211> 408

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-G5

 <400> 24175

 eggacgcgtg ggcggacgcg tgggacagaa gttcatttct tctggtgctt ctacttctag 60
 gttttatggt gagaacatcc aacaattgtg tcctgggtgc catgtggaag tactctctca 120
 agatagtggg ataaggggat gttgggttag atgtttgatt ctgaagaggc ataaagataa 180
 aatcaagggt cgctacctag aacttcagga tgctgatgag actggaaact tggaggagtg 240
 ggttatgcta acacgagttg ccaaacctga tcaactgggt gtacgtttcc ttggaaggcc 300
 aatggttcgt ccacagcgcg tggaacaaag caaggcctca tgctttgatg ttggagccat 360
 tgttgatgcg tgggtggcatg gtggctggtg ggagggaatc gtgctgta 408

<210> 24176
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-G6

 <400> 24176

 cagaagcggg ctctcaagct aggtcgacgt agagctggaa tgtgggctcc acaattgttg 60
 ggggtggtaat gatatcggtat tgcttggagc tgtaatgcat tttgtatggt taattattgc 120
 ttagccatca tttgaacttt tctcactggt ttcatacgca gctagactta aatacattgg 180
 cctctacctt cttaacattt tcaatttgat tttgacagaa ctgtcggcac tcattccaca 240
 cctgttatct cattcgcaat gcaagggttc accttcttat taatgtgtct tcttgcttc 300
 atcttttctg taagtttaat tgactatatg attggaaatg ggcagcatcc cgaagttttt 360
 catttgggtac aaaattttta tttggaggac aagtatcctc cattttctct tctgaaggga 420
 tacattcaga aggccaatca tacttttgtg gagatg 456

<210> 24177
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-D10

<400> 24177
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cctcgggtgc tcgcctctta tcgcatccgc gtcctcccc accctgtcgc cgcggaacaac 120
gatgacgtgg gacccctgcg cggcctcttc gtgctatccc gcgaccccg agcgcaagaa 180
tcagtcgtcg ccccggtgc gtgttggggg gttccatggg gagccaccgc tgcgcgcgtt 240
cctcgcctct gtcgacggcc ggaatccatg gaattgatgc ggagcttcga ctggacacgg 300
ggaagctatc ccgaccgcca atttgatgaa cggccagtcg gaactcgggc aatggctcac 360
cggaggagtg gcgtccgtcg cgggccgcgt tccatcgtgg gcgttcgtct ccgtgcc 417

<210> 24178
<211> 86
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D11

<400> 24178
tctccaacct tcaataacct cttctcctta ttactcacat gctctacaat cctatctgag 60
cacatattat actcgcccta ttatca 86

<210> 24179
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D12

<400> 24179
aagatcccac cggctcccgc cggccgtcgc cgacgagcac cgcacccctga cacagagggg 60
ctgacgagcc atcgcgtgcg gcctcaccgc ggatggcgac catggagagc ctgatcgggc 120
tggtgaaccg gatccagcgc gcgtgcaccg tcctcggcga ccacggcggc ggcggcgggtg 180
agggctccct ctgggaggcg ctcccctgcg tagctgtcgt tggcgggcag agttccggga 240
agtcgtctgt gcttgagagc atagtagcga gggacttcct gccccgtgga tctggtatcg 300
tcacgaggcg gccttttagtg ctgcagctcc acaagacaga tgggtgggcac tagtatgctg 360
agtttctaca cgccccgcgg aagcggttca ccgactctgc tgctgtgagg aaagag 416

<210> 24180
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D5

<400> 24180

gttacagcac tagcagtaac cattggcttt ctaagatggc tttaactgct ccctcttggc 60
 ggcagcaact atatttgcag gtgtggtaat gtacgatgct tctggatatca gattgcatgc 120
 tggaaagcaa gcagcggtag tgaaccaaata agtttgtgaa ctctcttctg aacatccctt 180
 gtctgaaaca agaccactgc tagaactttt aggccataca ccaaccagg ttgttgctgg 240
 cgcatagctt ggggtgtacga tagccacagc aggacaatta ttcgtttgaa ctccgaaggt 300
 gcaggataaa tggtgtatca tttgcatcgc ggagacttga gaagaagttt ctctagtgtt 360
 ctgctactct aagtatcggc aagattttca acttgggtgct gtaatgtttg tgaatgttgt 420
 aagc 424

<210> 24181
 <211> 446
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D7

<400> 24181

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 gtctcactcc ggtgacacgc agggcgcgca taggcgaggg cctccccccc cggcgagggg 120
 tgggtgtggc ggctgggatg gcaacaatgc gaggcgcctc cgccgccgcg ctactggtgc 180
 tggcgctcgc cgccgccgtg gcgcgcgcg aggacccta ccacttcttc gagtgggaagg 240
 tgacgtacgg gacgaggacc atcatgggga cggcgagaa ggtgatcctc atcaacgaca 300
 tgttcccggg ccctaccatc aactgctcat ccaacaaca catcctcgtc aacgtgttca 360
 acatgctcga ccagccgctc ctcttcacct ggcacgggat ccagcagaag aagaactcgt 420
 ggcaggacgg catgccgggc accatg 446

<210> 24182
 <211> 310
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D8

<400> 24182

cccacgcgtc cgggcaccaa cacggcggcg ctgagctagc cagtcactca atctaagggg 60
 gctacattca cataagagggc taataccttc tacaccgtta tctgctcatc cttctacttc 120
 actgataacc tcatggccta catacactac tcatcgtaac actatgaact ctccctcggtc 180
 tatctcaaca ctaacctttct acaccctatc tactacatct tccagctact tctacattcc 240
 cagaaccata tacgagccac actccacgac tctaaacaca gatcacttca caaactgttt 300
 cacatggcat 310

<210> 24183
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-D9

<400> 24183

cccacgcgtc cgctaccctc gtcgtcgtct cactcacccc gccttcacgc ctccctcgcc 60
 aaataagggtc ccggcgcttt tccgacattc acagggggga caggaaatca gcggccatgg 120
 cctcgattcc ggcgacgacc ttcgccgtca tcttatccgt cctcttctgt gccgcggctg 180
 gcaccgccgt cgacaacgac ctccccgact acgtcatcca gggccgcgtc tactgcgaca 240
 cctgccgcgc cgggttcgtg accaatgtca ccgagtacat cgcgggcgcc aaggtgaggg 300
 tggagtgcaa gcacttcggc accggcaagc tcgagcgctc catcgacggg gtgaccgacg 360
 cgaacggcac gtacacgata gagctcaagg acagccacga ggaggaca 408

<210> 24184
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E1

<400> 24184

ctcaccttct catcctcatc cctccacacc aaccatcgac tgagcaccag tcgtctcact 60
ccattccgtg ggcgtgctct catattcaac ctactcccc ccctcagtgc catcgccctt 120
cccactggaa ttaccccact ccgctgctca ctcatctccc cctttctcct cacttcacca 180
cattatccac tctatccata cctttacccc tctcaactgt tcgatttgca tcccactcac 240
aacatttatt atacagagcg ccacactccc attgctcttc aaccaattta atgccacgac 300
gaagctaata tactaaata cacatattca actcattaaa gaccatatga ataattattga 360
tccaaaatca cttcattacc tacaacctaa tatttcaact ctatttcaaa aacatggact 420
taatccactt actccaatt 439

<210> 24185
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-E10
<400> 24185

tctaaataga agcaatactg atggcccaaa acaagatgat tgtggtggtt ctctggggg 60
ccacctttct tgtggtggca agatcggtgt gggttccaga agaaccctca aatgcggatg 120
acataagagg tgcttgcac gaggagtgc ccaagaaaa taaggctcct ggcgacaaga 180
agacatgcga agtgttgtgc accaagctca caaaaaagcc tagcgaagaa ggcaaacatg 240
attgatgaag tagcactccg ataatatata ccctagtgga tcagtgttca tctttgtagc 300
catgtctgcc acacgatggc cttgactata ttgtcttatt gttttgttta tggtttccac 360
tagtatccta attccttggt catataacct aatttcactc aaagcatttt ata 413

<210> 24186
<211> 389
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-011-Q1-K1-E11
<400> 24186

cgcctcaaca cgctccacta cgtgctgacc cacctggagg ccctcgacag ctcgctcgcg 60

60
120
180

U.S. PTO
09/394745

09/15/99

[illegible]

60
120
180

U.S. PTO
09/394745

09/15/99

[illegible]

60
120
180

U.S. PTO
09/394745

09/15/99

gacattcacc tggacgttat gcacaggctg aggaggggtga ggaggacgat gaaatcgaac 240
aactcttcaa ggggtggttaag aagaagaaga agaagaatga tcgccctcgt gcagatattg 300
gccttatagt ggaacaattc attgctgagt ttgaagtagc agccgaagaa gatgcaaact 360
tgaataggca atcaaaacca gccattaaca aacttatgaa gcttcctctg ctcatagatg 420
ttctcttcaa gagaatcttc agc 443

<210> 24207
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C6

<400> 24207

actcactcac gcgctatgca tgaccaggat tatctgaaca gggagatcca ggagctgggc 60
gataccattc ctgggtgggga gtcagaggat caccaagaac gtgttagaac cctacatgat 120
gataatttca ttcacacac tctagttaat ccagctgacg gttatgccac ccataatgag 180
ctacattcac ctgtacatta tccacacgct gaggaatttg aggatgacta tgaaatctaa 240
caactctctc aggatcatta gaagaacatg aacaacaatg atcgacctca cgcataatatt 300
gcccatatag cggaacaatc cattgctcaa ttccaagtat catcctaaga acatgcaaac 360
ttgaataggc catcaatacc agccattaac aaactcatga agcttactct gctcatacat 420
tttctcttca ataataatct tcagcaggaa tttct 455

<210> 24208
<211> 233
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-C7

<400> 24208

cctcctatct ctatcattcc caatatactc ctctaattaa caaccttact aatctcatgc 60
cccataccac ccacctctaa cttcaaatac taacacctcg actccatatt ctatattatc 120
cccaactact gcaccaactca ttcaaaccac tategtacac gcaaactcta atctgctcaa 180
aacctacatc gcatctccct accattcacc cctactggta atgccactta aaa 233

<210> 24209
 <211> 175
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-C8

 <400> 24209

 ctctcgtcgt gccaccctt tccatctggc tgctggccct tttttgcaat caatcgggtg 60
 gctcttggtt cttccgtctg ctggggtgaa tctctctctt tctcttccgg gagaaaccag 120
 aagagagaga aggaagaaga aaaatcgga ccagcctggt ctttttgccc ggaat 175

<210> 24210
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-C9

 <400> 24210

 aattcggcgt catcctcgtc ggacaaaagc aagagaaaaa ggtgatggga acccatagac 60
 cagcctgtaa ggccttggtc ggggaacgaa gtttatgtaa ataatgcttc tactgtgaag 120
 agttccatca tatttggtgc tccagaaaag accctcagac cgggtgttcc tgaaccata 180
 ttcatacaaa gacatcagac gatgaataat gttgcgagta gtcaaataaa ataaataact 240
 tgtatagtga ataactagaa actagcattc atcgttttgg tattgtatag cgctagagtg 300
 taattgtttg gtcggactgt cttgtataat ggtgtagggc tcaaacgcat tgtgacctag 360
 c 361

<210> 24211
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-B12

 <400> 24211

 tgacatgcct atggtcagaa gagcagctgc atcaaactt ggaaagtttg cagctgcgcg 60
 tgaacagaat catgtgaaga cagaaataat gtcaatattt gatgatttaa cccaagatga 120

tcaagattca gtgcgtctga tggctgttga aggctgtgct gcccttggtta aattgttggga 180
 accacaagat tgcgtagcac acattctttc agtcattgtc aatttctccc aggataaatc 240
 atggcgtgtt tggtatatgg tcgccaatca attatatgag ctctgtgagg ctgttggccc 300
 tgagcctaca agagctgatt cgggtgctgc ctatgttcga ctacttcgtg ataatgaagc 360
 tgaagtgcgg atagcagctg ctggaaaagt aactaagttt tgccgcataat taaa 414

<210> 24212
 <211> 265
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H3

<400> 24212

gccgtcacgc cgatcaagaa ccagggcccg tcgtgctcta gctgctgggc attcgtgacg 60
 gcggcgacga tcgagagcat caccaagatc acgacagga ggctgggtgc gctgtcggag 120
 caagagctga tcgactgcga cccctacgac ggcggtgcga acctgggcta ctctgtgaac 180
 ggctacaggt gggatgatcca gaacggcggg ctcaccaacg aagccaacta cccgtaccaa 240
 gcgcggcggg acgcgtgcaa ccggt 265

<210> 24213
 <211> 193
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H4

<400> 24213

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 ggctccagat cctgcattgt gctcgccacg gcgatgctag ctacactatt cgcggttggt 120
 ttgtgcacca ccccgctcac cttccaggtc ggtaagggat ccaagcctgg ccacctgatc 180
 ctcacccgaa acg 193

<210> 24214
 <211> 74
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H5

<400> 24214

accacgcgtc cggccacgcg tccgtccacg cgctccgccca cgcgtacgcc cacgcggggcg 60

gttctagatc gcga 74

<210> 24215

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H6

<400> 24215

cccacgcgtc cgaccacgcg tccgtctcaa ctctcctttc ctctcgtggg cgatcggctc 60

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gcgcgaatca tgatacatTT tgtgctcctt atcagcaggc aggggaaggt gaggctgacc 180

aaatggcaca ctccataccc acagaagcag agatccatga tcatcacaga gattagtacg 240

ctcgtcctga caagaagccc caagctgtgc aattttggct actggcaagg ctacagaatt 300

gtgtacaata gggatgctag cctttacttc tgcattgggca ttggccactt tgacaatgaa 360

ctggaaa 367

<210> 24216

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H7

<400> 24216

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ttcacggggc gccctctccc gaaaatcgag caccagagtg ttccaatccc ttctccatat 120

aattattggt gttagtttcc tgctttccct agtcctcgc aatcaacaga tacctcatgg 180

acgatcagga gaacgagaat gagcacgaga agcatgccta tgctgggact 230

<210> 24217

<211> 412

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-010-Q1-K1-H8

 <400> 24217

 accacatacg aangatcttg agttgacgtc gtcatcaact gaaactactg atgacgcgtt 60
 tgaagtgaat gacattgaac caccagctaa ggaagtgggtg gtcggtgatg ataccacgt 120
 tgtggatcct gtatatgatt caagtccttc gggaagcgag aggctgcac ctactggatt 180
 agtaattgac ggacctgtcc taaaagatgg tcatgcttgt actcttggtt ttgaagcaat 240
 catcgaagaa gggggttcat cgtcaagaat ggaggtttct tccagagagg tagctggacc 300
 tagtttgagt tctgtggagc aaagcgaatc cccagagaaa gaagcctctg agataagaga 360
 gcaggccatg gttggccatg tcgaagcaca tggaggttct gtcagccatg ct 412

<210> 24218
 <211> 98
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H9

 <400> 24218

 tttctatcac taggagctgc gagaatttat acccgtgcaa tgatggaacg gccacaacct 60
 tgcattctga tgcttctagc ataagggtcg ccagtgc 98

<210> 24219
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-011-Q1-K1-A1

 <400> 24219

 cccacgcgtc cgcccacgcg tccgcactca cccgccttc acgcctccct caccaaataa 60
 ggtccccgcc ttttccgaca ttcacagggg ggacaggaaa tcagcggcca tggcctcgat 120
 tccggcgacg accttcgccg tcatcttate cgtcctcttc tgtgccgcgg ctggcaccgc 180
 cgtcgacaac gacctccccg actacgtcat ccagggccgc gtctactgcg acacctgccg 240

cgccggggttc gtgaccaatg tcaccgagta catcgcgggc gccaaagtga ggctggagtg 300
 caagcacttc ggcaccggca agctcgagcg ctccatcgac ggtgtgaccg acgcgaacgg 360
 cacgtacacg atcgagctca aggacagcca cgaggaggac atctgctagg tggctcttggt 420
 gga 423

<210> 24220
 <211> 76
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A10
 <400> 24220

acgggacgctt tagcagacgc gttagcctac acctgcgcca gccaaaggaag cccatgcgga 60
 gcacacggaa ttcggg 76

<210> 24221
 <211> 362
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A11
 <400> 24221

cgggtccagat tcccgtcgag acacacgtac gcaaaatcaa ctacttaaac tccatatatt 60
 atacccctgat aacaaaatac gaaccattg agcatcataa ctagatctat gcacgccaaa 120
 acatatactt catccaaata ctactacatc accatctcac tcaaccaata ctcatattac 180
 taaaccaacc cctccaatat gataccgacc tgtaccctac acaactacta cctctcactc 240
 cctcaatcct aaatcgtact tacactagca gctacaccta acattcctcc aacttatata 300
 taatcttttc ctgttgtaga atcttctaca aataaacttt ttcgccagca tctctgatca 360
 at 362

<210> 24222
 <211> 411
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-011-Q1-K1-A12

<400> 24222

gagctcctcg ggaatccggt gccaggcctc gccttctcgc ggcggtgctc cctccctgtt 60

cgccccccag cgacgcaggc aggcgcgcgc gcggccatga agggggggcg tgccatgagg 120

ccgtcgccta tgttctacgt ccacgaggcg gacgtcgtcc agatccacca cttcctcgag 180

gagtgtcccc tctgcgcaa atcgctctcc ggcgacatct tcatgtacag gggtgacacg 240

ccgttctgca gcgaggagtg cagggagcag cagatcgagg tggacagggc gaagcaccgg 300

cggaagaagc gcgcggcggc gcacgcgctg tccgcacgca gcatggagca ccggcaccag 360

cagcagctgc agcagcacca ccaccagcag cagcaaccgc agccgcggaa t 411

<210> 24223

<211> 85

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A2

<400> 24223

gcgctacaca gtgtattgtg cattacattg gtgtgctgct attccatata gaatagtacg 60

gtggatgaac aaaaaggata ggact 85

<210> 24224

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A3

<400> 24224

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ggcgctccg ccgccccgtc gccatgggca actgctgccc gggctccggg gatgcggagc 120

ccgccccgc tgctccgcc gatecctcct ccacctcca ctccggcagc ttgtccctca 180

aggccggcgc ctcggcaggc tcggcgccca cgcccacaaa gccgcccgcg cctatcggcc 240

cggctctggg acggcctatg gaggacgtgc gcagcatcta cactgtcggc aaggagctcg 300

ggcgtggcca gttcggcgtc accagcctgt gcacgcacaa ggctaccggg gagcgcttcg 360

cgtgcaagac cattgccaag cggaagctct ccaccaagga ggacgtggag gacgtgcggc 420

gcgaggtgca gatcat

436

<210> 24225
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A5

<400> 24225

cccacgcgtc cggcgacttc accgtgacaa caaaggaagg caaagtgtat gacatcggca 60
agggccacat cgtcgcgaca tcaccatcct tcgccaacag gctgccccac atctacaaga 120
accctgactc atatgaccct gaccgggttcg gtcccgaag ggaggaggac aaggctgcag 180
gtgccttctc gtacatctcc ttcgggtggtg gcaggcatgg gtgcctcggg gagcccttcg 240
cctaccttca gatcaaggcg atctggacgc acctactgag gaactttgag ttcgagctgg 300
tatcgccgtt cccagagaac gactggaacg ccatggtggt tggcatcaag ggcgaggtga 360
tggttaacta caagaggcgg aagcttgctg tggacaacta agattgtggt cgccagtctc 420
tatctcttag atgc 434

<210> 24226
<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A6

<400> 24226

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gctcagcatg gtcgccgtcg tcctggctgc catcgccaca gtagcgctcg cggaggaagc 120
cgatccgcgg gcaactgccg cacagtggac caccgcgaag aagtacaagg ccacgatgga 180
cgccaagacg cggcaggctt tcgacggcgt ggtggccgcc gctacggcag agaagcggtc 240
ccaggcggtg gagggcgtgc tgcagcagca gctgaacatg gacgtgtccc tgtccaaggc 300
gacgtcttcc ggggacgaga acaactacgt gagcgtggcc gccgtctacg agaaggccgc 360
gggcgcgctc atcgcggcga cgccggacaa caagctccgc gctatggcgt tcgcgttcga 420
cggcgcggtg gcgccggacc cgggcccgtg cccgcgcgtc 460

<210> 24227
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A7

<400> 24227

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 gctagaacct ttaacagctg atctatgggt tggaactgga tccttcgttg tcttcacagg 120
 ttttatagtt tggtttatcg agcacagaac gaatcaggaa ttcagaggac cgccagccag 180
 tcaaattgga acagtcttct acttctcctt ctcaacactt gtatttgctc atagggagag 240
 aattgtgaac aatttatcaa gaattgcagt agttgtttgg ctttttggtg ttctaataatt 300
 gcagcagagt tataccgcaa gcttaagctc aattctcacg gtagaacaac ttcaaccaac 360
 agtcaccaat ttagatgaag ttatcagacg aggggattat gttggctacc tcaatgattc 420
 tttcatgcct 430

<210> 24228
 <211> 184
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-A8

<400> 24228

taacaagaca aaaaataatt tgcccaaaaa attactagaa taacagctcc tatectacga 60
 tgtcttcacg agcattcggc gacttctgtc cgctcaccga gctccgtctc tcccaaaagg 120
 cacggcatca gtcactcac atcatgatcg ccgactcgac tatctccatc atcatcatac 180
 tcat 184

<210> 24229
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H2

<400> 24229

tgcttccgca ccctcaagct caccaaccct tcatttggcg acctgaacca tctgatctcg 60
gcgaccatga ggggctgac gtgctgcctg cggttcccgg gccagctgaa ctcggaacctc 120
cgcaagctgg cgggtgaacct gatcccgctt cgcggtgctg acttcttcat ggtgggggttc 180
gcgccgctga cgtcgcgcgg gtcgcagcag taccgcgcgc tgacgggtgcc ggagctgacg 240
cagcagatgt gggagcctaa gaacatgatg tgcgcggcgg acccgcgga cgggcgggtat 300
ctgacggcgt ccgccatgtt cgggggccag atgagcacca atgagggtgga cgagcagatg 360
atcaacgtgc aaaacaagaa cttcttctac ttcgtggagt ggatcccaac aacgtcaaata 420
ccagcgtgtg c 431

<210> 24230
<211> 363
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-A9
<400> 24230

cccacgcgtc cggatatatat gtggataaca tagtagtcga gctgagcacg gttgcgtagc 60
ctctgctgat gagggtgcac agggcgaaatg agtcgttcga acacgggatgc tctgactggg 120
tgcctgtgac catagagtgc ggcacccctt tgtttagccc acagctctgc gagaggatct 180
gcgagagggt cgtctagtca cagatgcttc agaaagacga catcactgag cactactaga 240
cgatgcagaa cgtgaggagg aggctgagag agctgtgcac cgagtaccaa gcgaccggcc 300
caacggcgag gctgttcaat cagcggggag gcttcaagaa caccttcccg cgaaaactgg 360
tgc 363

<210> 24231
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-B10
<400> 24231

cggccgagca ccatgcgagg aaataacatg ccgcggcaca cgtcgccgtt cctttggggc 60
ttgttggcgt cggcggcgac cctgctcagc gtcggcgacg cgttggtcgt cgacggcctg 120

caggtggggt tctatggcaa gacgtgcccc gcggccgaag gcgtcatcag cgacatcgtc 180
aacaacgaaa tcgctatgga ccgggggcate tcccctggcc tcattcgctt cttctttcac 240
gactgcttca tcacggggtg cgacgcttcc attctcctgg acgagtcgcc cgccggcgac 300
gtcccagaga aggagtcgtc cgccaacggc ttcaccctgg tcgggctcag aaccatcgac 360
atcgccaagt. ccaccgtaga gggcatgtgc cccggcaagg tctcgtgcgc agacatc 417

<210> 24232
<211> 346
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-B11

<400> 24232

cgtcgccacc gtcggaacat ttcactctcc aggataaccc gcccacaccc aagagtgttc 60
aaggcggggt gctaccacca ccttaccaag gccagtttga ccaccacctt tggcttaacc 120
ttaagattaa ccatcttaag attaaccaag ccggcgcttc cggcctcatt aagcttcctt 180
ttcgggcgt tccctacaac gtcaacccca tggtcccca ggggagcaac cccatttca 240
acacgttcaa aataaatgtt tgggttaacc aagacttcaa caacgccaac gggaaagaca 300
ccggcgggaa aagcagttgc cgcggcagca acaacaacat cggcag 346

<210> 24233
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-F2

<400> 24233

gcaaacgcaa acaagaagca aaccagcaat ggcccgcgcc tgcgtcttcc tcgtcgtgct 60
gtccttagcc gccgtcgcca tggcgccgtt cgcgggcgcg gcgcgcatcg acgtcgtcga 120
gggcagggtc atggcggtccg cggacgcacc ggaggccgnc gccgacgctc ccgtccttgc 180
tcttggtccc gactcctcct cgaccccgtc gccggcacc tccagcagca gctcttccga 240
ctagccgccc ggcagagata tctacggcgt ccgatcagtc tttggcgcca cctataacct 300
atcggtacct gcaaagctat atatgattct atggtataat gtgtggttgc ggcaaacgcg 360

cggaataat gtgcttgctg gattgttttt ctctctcttt ttttgtttta taatgtaaaa 420
caggcata 428

<210> 24234
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F3

<400> 24234

aaaggcggct gctgcggtg cctgtgctgg tgctgctgct tcctgttgtt catcgtggcg 60
gcgctggccg gcaaggccgc ctacttcttc ttcgtgtaca agcccaaggc gccgtcctac 120
tcctgagca acatgtccgt ctgcagttc gacttcagca cctccgacct gacgctgtac 180
gtcaagctca ccgcctccgt gcgcgccgag aacccaacg agatgatcac catcaggtac 240
ggcgagggct cccacaccgt ggtctcctac cgcggcacgc cgctgtgctc cggaagctc 300
ccggccttct tccagggcta caagaacgtc accgtcatgg acatctccat ggagggccgc 360
cacggcttcg ggtcggggct ccagcaggcg ctagaggaga gcgagaaggc cggggacatc 420
ccgctcgaca t 431

<210> 24235
<211> 388
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-010-Q1-K1-F4

<400> 24235

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aaggccccat gcaccggcgt caccatggat gacgtcaacg tcgagtatag cggcaccaac 120
aacaagacca tggctatatg cacgaacgcc aagggcagca ccaagggttg cctcaaggag 180
cttgcattgct tctagaccct tcgtcgactg acccatctct ctagttataa ttnttctctc 240
gtccttgcat tgcccattag ttgctatcca ttggtaacgc acaacagtaa aacgacagac 300
atccgacagc tatattatgt tcgacggtgt aacacctga atttgaaggt ataaaatttc 360

ttctctaaat accaaccaaa ttcaggtg

388

<210> 24236

<211> 171

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F6

<400> 24236

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tagcggttcgg cgttcctgtc tccacccatc ccaagaagag ccgcctacc tattccttct 120

ccccgccgcc gacctgccaa accaaaacaa ccagcagcct taacttcttt c 171

<210> 24237

<211> 162

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F8

<400> 24237

tcgacgcaag ccacccgtcc acaacatcat cggcacctgc tctaccctc aagcccttag 60

actgctcttc acggccaggg acacatgcac cggcgtcacc atagatgact tcaacgacga 120

ctatacctac accaacaaca agaccatcgc tatattcacg aa 162

<210> 24238

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-010-Q1-K1-G1

<400> 24238

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cgacgtcgaa gctgtcgacg ggcacaaagc gcgcttcgcy gtcgcacgcg taccatcgcc 120

gtgggctgtg ggccatcaag gccaagaacg gcggcgctt cccaaggcc gacaaggccg 180

ccgccgtcgt ggaacccaag ttctaccctg ccgacgacgt caagccccgc gttcccagca 240

cccgcaagcc taagcctacc aagctcaggt cgagcatcac gcctgggacg gtgctgatcc 300

tctctgcaag gcgcttcatg gggaagagag tgggtggttct caagcagctc aagttcggcc 360
 tgctccttgt ctcttggcct ttcaagatca atggagtacc gatccgncgt gtgaaccaga 420
 cctatgtcat tg 432

<210> 24239
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G10
 <400> 24239

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 agggagctaa tccagaagga aagaaagaag gagctggaga agctgaagcg tgaaaaagga 120
 gaaactccat cggatcttcc gaagaaggaa gagaccatca ccctaaggcc gctgagcatg 180
 gcagatctga aggaagcaaa gaaccaggtg gatccatgcc ttaccaagtg caatttgaaa 240
 cgatgcggat gcagattaac acttttcaac ttgaaaaata aactaatggc agttcgaatg 300
 ttataatacc ctgtaaactc tcaaattcag gtggctgcaa gtttcgcttc cgaaggtgtc 360
 tgcattgagcg agctgaagca atggaacgag ttgtatggtg aaggaggctc cagaaag 417

<210> 24240
 <211> 173
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G12
 <400> 24240

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 tttacaaaac tcattcttac atatacaaac atgcaactgc ataaactgta tcattataaa 120
 agctaaactc acatccaatc ttcccaacta tacaacgacc ataattctaa aac 173

<210> 24241
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-G2

<400> 24241

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atgtattttc cagtatctct atcatttgta tggacatgta tcttttattt gtaaggacat 120

ctatatgtta ttcgtgtgga catattgcta aattttggaa gtatctttta tttgtatgga 180

catgtatctt ttatttatat ggacatctag gtcattggata aggagacaag tggtgcaaaa 240

gctgggtggg gactatgtca atggacacca actcaatcca catttggtct cacctttctt 300

agcaacattg ttgctgatgg cactaaaacc tgcactggct tcaagaaagt tcatctcaat 360

gcttggtgcta aggtctctca cgaccatttt aaaattataa ggacaggcga tcaagtggct 420

aatcacttg 429

<210> 24242

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G3

<400> 24242

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gcgctacggc gtgccgcca tgaagtggga caaccagctg gcgcggcagg cgcggcgctg 120

gtccaacgcc atgcgcaagg actgccagat cctccacagc ggccacgagt acggcgagag 180

cgtgttcagg agctacgacg actggaacgc caccgccagg gaggccgtct tctggtgggg 240

caaggaggag gccatctacg acaaggacaa ggagaagtgc aagtacggca aggtcttcaa 300

ggagtgcggc cacttcgcgc tcatggtcgg caagaggagc accaaggtcg gctgcgcacg 360

agccgagtgc ttcaagggcg gcgtcttcat cacctgcaac tactatgcaa cggacctgga 420

caagaacaag aacaa 435

<210> 24243

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G4

<400> 24243

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ggagcactga gaggagccca tgaattggga cagccaggtg gcgcg 105

<210> 24244
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G5

<400> 24244

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atggg'gcgct cccagagctg ccaggacgcg tggaaggcg aggaggagga tgtccccgct 120
gccgcgcacg acagggagta cggtcggatg gcgcacatcg ctttcggatt cacacaccac 180
gccgccgtcg ccgtcgccgc cgcataaata gattaattat tatatatata tatgcatgct 240
atctactatg atcgatcgct tctcgacctt cttgcatcga tctgcatgca tattataatt 300
tatattatat tgatgccacg ccgcatacag gtctttccaa ggcgtagta ctatatcaaa 360
ttattttaat ttccttacat gtatatgtat gtgctgctgt tggatacgtg cgtatattat 420
atatgttct 429

<210> 24245
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-G6

<400> 24245

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tagatgaaaa ccacagcctg ccagagattg atagtgatag tggttgatca cgattgcagg 120
ataaaagaag taggcgcaat gaggagtcac tttcattcac aagctctaac agagaaagtt 180
ggggcagatg ttcattctta ggagcagcca gtgatgaatc attctcaggc gataataatg 240
ataagcagaa tttgacagtc aaggctatgg ctacgcctgt aagacaaaac cagaggcaaa 300
gccagaggaa accgattgag aaaactaaac agaagaagat tcaagcccta tggaagaaga 360
ttaagagcga aaaggtgg 378

[illegible]

<400> 24246

<223> Clone ID: LIB3066-010-Q1-K1-G8

<400> 24247

<223> Clone ID: LIB3066-010-Q1-K1-H1

<400> 24248

10518

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 tggagcggag ttgcgggagg tgggagagaa ggcggcgatg gggcgctgt tctgatgca 240
 cctggacggc aacgtctaca gctgcaagca ctgtaagacc cacctcagcg ttgccagcga 300
 catcatctgc aaggccttcc agtgcaagca cggcaaggcg tacctcttcc ataaggttgt 360
 caacgtgact tctggagtaa aagaagaccg gatgatgac acaggaatgc atactggttc 420
 tgatatcttc t 431

<210> 24249
 <211> 339
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F12

<400> 24249

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 ctgatgcatg caaatggatc tgtgaagctt gcagattttg aactcgctaa ggagattacc 120
 aaattcaatg aacttaaadc atgcaaagga actgtttatt gcatggcacc gcaggttgtt 180
 gatccgcagc atacatatgg acctgcagct gatatatgga gtcttggttg cactgtcctg 240
 gagatgttga cacgccagat accctatcct gaccttgaat ggtcacaagc tctatacagg 300
 atctgtaagg cgtaatcacc atcaatttca aacactctt 339

<210> 24250
 <211> 133
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-H10

<400> 24250

cgcacacaca accccgcatt tttctcctta caagtccact cagtacacaa ggtgccgttg 60
 caaathtagt tccggtttgc tgtcaagctc ttctgtcttg cccttcggta agcatttctc 120
 ggagaagacg act 133

<210> 24251
 <211> 330

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H11

 <400> 24251

 ggcgaaagaa gcgtgggagg cgggtgaggtc gatgaggatc ggcgatgacc ggggtgagggc 60
 cgttagcgtg caacgcttgt ggaaagagta cgagaacgtc ggtttctgtg atggtgagag 120
 cgtcggctac ttctcgttgc ggatcaacgg cctcgtcgca agccttcgag agatgggcga 180
 gacgctggag gaccaccgag tcgtgaagaa gatcctccgc gtcgttccca aacgtctcat 240
 gcaggtggcc gtggcgatcg atatgctcac ctgacctaac acgacgacga ttgaagagct 300
 cttcggtcga ctacacgttg ctgatgacgc 330

<210> 24252
 <211> 311
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-H12

 <400> 24252

 aggggatgta acaacaaccc ctgttctagc aggtagtcgc ccagaggatg gggcaacgac 60
 cccttcccct ggaatgcatg ttgatgatgt tgctggttcc aacttcgttt tcagtaataa 120
 taacaacaaa gcgaagaccc tcctacctac cctatttgtc tgagcggctc ttgtccgcgc 180
 cacaagatac caattgttgc gctgggaata ttcagttacg atgacccgct ttagttcagt 240
 tttttttttg ggggggttgg ttcgatcatt tggctgtagc gtgaatcgca tggacaacag 300
 actgcaatta c 311

<210> 24253
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-D2

 <400> 24253

 cccacgcgtc cgcccacgcg tccgccacg cgtccgggcc cgatgtcgtc tttcagggag 60
 cggacgattt tcgactcgat gcggccggac ccggccgtca tggctggact ggagaagatg 120

tccgacgccg ccattccgcc agcgaaatac gatactacgt cgccggcccc gaatgcgctc 180
 aggtccccct gctgctgctg ctgctgcgac acaccgaata cgctgtgtat gtcgatgggt 240
 gacggctcga acgggcccag ctggttgcac gacagatatt tcttacgctc ctcgacgcgg 300
 gtgagtgtgt ccatgaggaa tttctcgcac gtctcggctt cattcgtcaa caccaacacc 360
 gccggatctg gctcgaacat cctaatttgc ttctccaact cttcgacctg atgtctggat 420
 tttctaatac 429

<210> 24254
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D3

<400> 24254

gccacgcgtt cggccaaatt cccagccca caccacctgc acacttcagt tgtttcgggc 60
 gcaaagggtt agggcttgct gtcggcgatg tcgagatcgg cagccgtctg aggaaccgga 120
 ggagcaggty gacctggagg gggacgacga cggcatggac gactacgacg ccgggtaccg 180
 tcgccgcgga agccgggacg actcgttaga gcccgaggag gatgacgaca atgactagcg 240
 ccacggcgag gccgacgacg acgccaggat ggagccggag ccggccggaa gtaaaggcgg 300
 ggatgacacg gtcaaggggc ccgacgtcgt cggtaggcagg cccgaggacg aggaggatag 360
 gagcaagtgg gatgacatgc tcgccctgcc gacctatggc tttgacgtct tcattggt 418

<210> 24255
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D6

<400> 24255

gagggatacy ccctccccca cgccatcctt cgtcttgacc tggccggtcg cgagctgacc 60
 gactacctga tgaagatcct gactgagcgc ggctactcct tcaccaccac cgctgagcgg 120
 gaaatcgtga gggacatgaa ggagaagctc gcctacatcg ccctggacta cgaccaggag 180
 atggagaccg ccaagaccag ctcttccgtg gagaagagct acgagctccc cgacggacag 240

gtcatcacca tcggcgccga gcgcttccgc tgccccgagg tcctcttcca gccatccttc 300
atcgggatgg aagctgccgg catccacgag accacctaca actccatcat gaagtgcgac 360
gtggatatta ggaaggatct gtacggcaac atcgtcctct ccggtggcac caccatgttc 420
cc 422

<210> 24256
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D7

<400> 24256

cccacgcgtc cgcgccagcc agccatcgtc aactgggtga gctctgcagt cggcactgtg 60
cttagctccg agcttcagtg ccttcggttg tagctgttag ctccacagtc cacagttcca 120
cacacacgtc cagctgcact gcaccaatgg ccgcgcgcga ggtccaggtc ccgactgccg 180
ctcccgtcga ggaggctgct gctgctgctg cagcgggagt ggaggctgcc cagctggccg 240
ccgtcgagac cccgaacgag gagaccgtg ctccggcggc tgataccgaa gtcgtcgccg 300
ctaaggagcc ggtgtcggcc gaagccgaga ctgatttcaa ggaggtcgag gtcgaggccg 360
atgccgtagc tgaagctgaa ccgac 385

<210> 24257
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D9

<400> 24257

gggttctctt cccttccctg agcaaataga agtagccaca agcatgtctg gggtcagcga 60
caatatccag gtgaggctcc acatcgggtg cgaccacaag gaggagcacg agcacaagaa 120
gggcgaggag caccacatga agggcgagga gcaccacatg aaggacgact gggagcacaa 180
ggagggcatc gtggagaaga tcaaggacaa gatcaccggc tagcacggcg acaagtccgg 240
cgaccacaag gacaaagacc ataaggagaa gaaagatttt aagaagaaga aagagaagaa 300
tcacggggaa ggccatgacc atggtgatgg tgactgccac agcagcaaca tcagcgacag 360

cgactgatct cgccttggcg aacgccgtac gcacaaatgc accgcgcagg ttataata 418

<210> 24258

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E1

<400> 24258

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actgcggaaa gtacaaggat gagctcatca agaatgctgc ctacattggc acccctggca 120

agggtatcct tgctgctgat gagtcactg gcaccattgg caagcgcctt tccagcatca 180

atgtcgagaa cgttgaggag aaccgccgtg ccctccgtga gtcctattc tgctgccctg 240

gtgctctcca gtacatcagc ggtgtgatcc tcttcgagga gacctgtac cagaagacca 300

aggatggcaa gccttttgtt gatgtcctca aggagggagg cgtcctccct ggcataaagg 360

ttgacaaggg caccattgag gttgttggca ctgataagga gaccaccacc caaagccatg 420

acgaccttgg c 431

<210> 24259

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E10

<400> 24259

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tccctcacac aaataataag gaaaggctcc gcccttttcc tccgacatcc acaagggggg 120

aggggaaaac acgtacattc acccggcggc aataatggcc ttggttccgg ctccggcgac 180

gacgaccgcc gtcgtcatcc tatgcctatg cgtcgtcctc tcctgtgccg cggctgacga 240

cccgaacctc cccgactacg tcatccaggg ccgcgtgtac tgcgacacct gccgcgccgg 300

gttcgtgacc aacgtcaccg agtacatcgc ggacgccaag gtgaggctgg agtgcaagca 360

cttcggcacc ggcaagctcg agcgcgccat cgacggggtc accgacgcga ccggcaccta 420

cac 423

<210> 24260
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E2

<400> 24260

gttactccgc gcgccttctc tttctctccc ggacgtcgat cgtgttcttc agcacgggct 60
 agctagctcc ctccctccca gccatggcga cgccggacaa caaggggcac gggcatccgc 120
 tgcccaagtt tggggagtg gacgtgaaga atccggccac gtccgagggc ttcacgtca 180
 tattccagaa ggcccgcgac gacaagaaga ccaccacgg ccttggggct gggaacgcgc 240
 gcgcaggcat tccgtcggcc ttcaggaacg gcggcggcga cggcggttac agggccgact 300
 tcggcgacgg caaccagtac acgccggcca aacggaagaa gtgggccttc tgtggctgct 360
 gaatcgaagc tcgtgtgtgt gctgtgtga c 391

<210> 24261
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-E3

<400> 24261

cccacgcgtc cgagcgaacg aaccagcgac cgacgtccc cgaccagcgt ggtgaagagg 60
 acagcagtca gcagccaatg gaggcagcac tgacgcagca ggcgacaccg acgaggtggc 120
 ggtgcgtggg ggacgcgtcg ctggctagcc atggccaggg ccagcagcga gcaggcgccg 180
 tccggctcgg agcggcgcg gctgcggtea gcggggctgt ccgggctagc agcagcaggc 240
 atctgggccc cgtgcggggc ctcgtctccg aagaggccgc cgccggcgag cgggcggcgg 300
 agggcgaggg aaaggacgcc gcggtgaggc tgttcgtggg ctttcccgcg gacgcggtgg 360
 tctccgacgg ccgcggcggt ggccggccca aggccgtctc ggcgggcgtg cgcgcgctca 420
 agctgctcgg c 431

<210> 24262
 <211> 341

ggaccttgtc aggcgctacc tcggcagcat cgtaccgcct ggcgacaact aggatgccgc 60
 cctcaattca gcggtgttca ggcacggatc cttctgctac gtgccaagg acacgggtctg 120
 ccccatggaa atttcgactt acttcaggat caacgacaag gagacaggcc agcttgagag 180
 gactctgatt gtagccgatg agagaagctc tgtagctat ttggaaggct gcactgcacc 240
 agcatttgac tcaaatcagc tgcattgctt agttgtggag cttg 284

<210> 24265
 <211> 412
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-010-Q1-K1-E9

<400> 24265
 gacgcattca gtcctcgtt ttttctctct cctctcttcg tccccgcgtg gagaaggaga 60
 gagagaaaca ggggagcgcc cccactcct cttcgctgcc aagaaaccac cattcctaac 120
 ggatttctac ccagtcttct ttaggatttc cgattcgggt ctccggtgag aggggtgggaa 180
 ttttattttc ctccgctgca accggtgcaa acatttcgaa tccctccatt ccattcctct 240
 ccgtgcaatc gaccattcat atgttccttg gctgcattga ggcatcggta cgcaatttt 300
 gatgtgagct gaccagacat ggctgcgaaa gacggctcgg gatcacaaga tctggggggg 360
 cacacgttct ggcccatgct gtcctacgct tgcngcgagc tgtgtgtgat cg 412

<210> 24266
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F11

<400> 24266
 aagtgatctt gccaaattac gagcagcgag cagagatcag atcatccatc gggaaatggcg 60
 aacatcgggc agtccttgca ggccggcaag gctgaggccc aaggcgagta ccaggcggag 120
 cacgcggcgc agtgcgtaaa ggacaccgcc gcagccgcgg ccgacagtgc gcagctgcag 180
 cagcaccgcc ccaccggcac cgttgagcag gtggcgagc cgggccaggg cgtggcgagg 240

ggcgtcaagg acacggtggc gggcgcgggc gttggcgta cgaacacggt ggcgggcggtg 300
 gcggcgggcg tcacgaacac ggtcacgggc gccgtggcgg gcgtcacgaa cacggtgacc 360
 ggcgcggcag caggtgtcaa ggacaccgtg accggcgggc actgatcgac gaccaag 418

<210> 24267
 <211> 421
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-D11
 <400> 24267

gtgggactac ctgccgtcc tgcggcggtt cgacgtgctc ggggtgagga acgagagcag 60
 ggacgttgtc ggcaggaggg acgccttctt gcagcggctc atcgacgcgg agcggcggag 120
 gctggacggc gacggcgacg ggcagagaa gaagagcatg atcgccgtga tgctctcgt 180
 gcagaagtcg gagccggacg tgtacacgga caccatgatc atggcactgt gcgggaactt 240
 gtttacagcc ggaacggaga cgacgtcgtc cacgatagaa tgggccatgt cgctgctgct 300
 gaaccacccg gaggcgtga agaaggcca ggcagagatc gaggcggccg tgggcgcgtt 360
 ccgcctcatc accatggacg acgtgcccg gctgggctac ctgcagtgcg tcatcaacga 420
 g 421

<210> 24268
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-B12
 <400> 24268

cggggagaga gcgaaaaacg gggcgaccga gctagctcgc cgtcgtttcc ggctccgctc 60
 cctcctccca taccgttgcc ctacccccac taccgcgcc cgcgggcccc cggggtcctc 120
 ctccctccgc tcgctcggaa ccagaggcct cgcgacgtct cgcgccatgc gggctcgcga 180
 tctgctaggg ttctcctcgg cgggcgcggc catgtcgtcg gcggcggcgc tctcctcct 240
 cccctcctc accgtcgtg gccaggggccc ggtctgccag aggcgcgccg tcgccgccgt 300
 catcctgcag caggcgtcca cctgtcgagc ggtggacgcc ccagggtccc ggggtcaccg 360

cgccggcttc gtggaggggg atgatggggc cctgcaaaag gcagtagcac ttgtgctgc 419

<210> 24269
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B2

<400> 24269

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agggaatddd gtatctacat actgaagcag atccacctat attccaccgt gatgttaagg 120
ccagcaacat tctgttggac tccaaattcg ttgcaaaggt agccgatttt ggtctctcga 180
ggcttgctcc agtgccagat gtcgaaggga cattgccagc tcacgtatcc actgttgtca 240
agggcacccc aggctatctt gatccggaat acttcctaac tcacaaactg accgacaaga 300
gtgatgttta cagcctgggt gtcgtgttcc ttgaaatgtt aactgggatg aaaccaattg 360
agcatggtaa aaacatagtg agagaggtaa actcagcttg ccagtcgggc gcagtttctg 420
gaataatc 428

<210> 24270
<211> 432
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-010-Q1-K1-B3

<400> 24270

cccacgcgtc cgccccacgcg tccgcccacg cgtccgccc cgcgtccgcc cacgcgggcg 60
cgatccttta gttgccaatt taaaggaaca gtagaaggaa taccgatttg atggcccaaa 120
ataagcagat cattgttgtg gtggtctctc tttttcttgt ggtggcaaca tcatcatcag 180
tgtgggttgc agaaggagcc gatgacttaa aagtttcttg cgttaaagag tgcacccaaa 240
attdtaacac tcccaggggc aagaagatct gtgaaacgat gtgtgccaac cctaaaggaa 300
ggcctatcga cagagttaga gctgattgat caatgctcat ctttatttgt agctagctat 360
catgcatgcg atgatggcct tcttgattat tattatttca ttctcatgg tngttgttct 420
tgcattgttt tt 432

<210> 24271
<211> 173
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B4

<400> 24271

cgcaactctta atcgtattca tatctttatc caattgacat actcaaccat tataactggcg 60
agagactctt tcatctactt acctcaacac tataacatat acccaattca tatectacta 120
tcagcatata catattctcc tccatattat cttcatcatt aaccttacat tat 173

<210> 24272
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B5

<400> 24272

gcgcccacgc gtccgcccga agttcgacaa catgtacatc cgcaacctcg agcgggggtgg 60
aggcctgctc agcacagaca aggcactgtg aacagacata ctcactaagc cgccgggtgct 120
aagctagtca ttgaacgccca cagtc 145

<210> 24273
<211> 212
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B6

<400> 24273

cccacgcgtc cgcccacgcg tccgcccacg cgtccggacg cggaatctcg acgtcaggct 60
aaacaagagg ggcagggtcg agatggatgg cggtcagtac tgtcgaagag gcacgctcgt 120
catcgaggca gagatcttcg aggtggctcc atcggtgccg gtgggtggaga tgtggaagat 180
tggccgagac tcagatgagt aacgagcggt gt 212

<210> 24274
<211> 194

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B7

<400> 24274

cgggagcggg cgccgaccgg ttctgctg tctcactggc cttgactgac ggggtgggtg 60
 gcttacaagg gaggcagact cacttgata acaggtcctt gctgatcaac tcgaactcct 120
 gacgaaattg tgaagcctga ttctctcaag gcaagcaacg atgaatgcat gcccatgtat 180
 cataggccct tcat 194

<210> 24275
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C1

<400> 24275

gcgccccgga ctctttctac taccagctga agcggcagct gggcgagatg gcccaggacc 60
 ggtgcgactt cgccgaggag gaggagtcgc ggggtggaggc cggcctcatc cacctgcgct 120
 cgctgcagaa gcgcaccggc agctacttcc gctacacggg ctccctcacc gtgccgccat 180
 gcaccgagaa cgctgctctgg agcgtcctcg gcaaggtgcy ccagatcagc caggaccagc 240
 tgcagctgct caaggcgccg ctgcccggga gcgacgcgcg cccacgcag cgcgtcaacg 300
 gcaggaccgt ccaattctac aaccgtcca acagcaccat ctacttccag atctaact 360
 aaagagtact ttggaatctt taatatagcg gaactctgtt tatgatta 408

<210> 24276
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C10

<400> 24276

cccacgcgtc cgcccacgcg tccgccacg cgtccgatcg ccagcaaagg gagagcggcg 60
 aggtgagaga gataatgcgg tgggtggtgct catggtcgaa tgaatggggg tgtcgggcta 120
 tgcgcggttg acgtcctcat cgaagcaaac cccttcaccg ttggttgcct cgtgccgtgg 180

cctgggaagt cgatgactgc tcatcatggt aggaggcccc gaccgaccgt gcaatcgtgt 240
gccgacgctg tggctgtgcg ccaatgaaat cacggtatct tcggatccaa gtcggcatca 300
cagtagacca gagtaatacg aaggttgata cagcgccgaa ggtgtgagca ggaaagcttc 360
ggcgcgacaa caaaaagtga aaccgactta aagatgaaaa ggctatttag ac 412

<210> 24277
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C11

<400> 24277

gatctttata ttggcagggtg gatgctttca aaaccacgag acaagataat tgtggcggcc 60
aaagttgccg gttattcaga gtggtctaca tttctttgag acaatgcaaa agtggttcgt 120
gttggtgctg ccaatatcaa agaaagtatt gaaatgagtc ttaaacgctt gtctacagat 180
tacattgatt tgcttcagat aactgggtt atgttggtga ccttgctctgt gtgaggcgtg 240
gtggtaggaa gaggcctttg cccaagtgtg ttatctatgg ctagcccaag caccagggtg 300
tcaccaact caagttctag aggtacaaga gctctctcgc tgatgagaga gctagacgca 360
agcttggtgg actgaagggt ctttaacttct actgggtgaa cgaagtaca 409

<210> 24278
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C2

<400> 24278

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atgcaatgag agccttggtc cttctagcgc tttctgcac cgtgcatggt gagaaggcaa 120
agtcaaagga caacgattca aaagcgtccg ggcccgtggt gtccttcgac atcaccaagt 180
tgggcgcctc tggcaatggc aagacggata gcacgaatgc tgtgcaagag gcgtgggcat 240
cggcgtgcgg cggcaccggg aagcagacga tctcatccc caagggcgac ttcctcgtcg 300
gaccactcaa cttcacaggc ccatgcaagg gcgacgtgac catccagggt aatggcaatc 360

tgctggcgac cacggaccta agccagtaca aggatcatgg gaattggatc gagattctac 420
gcg 423

<210> 24279
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C3

<400> 24279

cggagttggc aactgcaagg agtgatattg tggacaaca ctagttctaa ttgaaggaat 60
agggcgatgt tgaaactgtc tgctaccatt gcttccatgg caactaatga gaacctcccg 120
ccaaatgtca tcaagcaatt ggctaaagaa ctgaagaacc ttgatgagtc acctccagaa 180
gggattaatg tgattgtcaa tgatgattac ttaactacta tttttgctga cattgaaagc 240
cctgctggaa ctccatatga gaacgtagta ttcgatgatga agctattatt gtcacgcgat 300
ttccctcaa 309

<210> 24280
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C4

<400> 24280

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gcacgagttt gtcaaggcct actccgccca tctcaaacgc tccggcaaga tggagcttcc 120
tgagtgggtt gacattgtga agactgagag gttcaaggag ctccctcctt atgaccctga 180
ctggtactac atcatggctg catctgtagc aaggaagatc tacttgagac aaggcattgg 240
tgttggtggc ttccagaaga tttatggtgg ccgccagagg aatgggtcac gccacacctca 300
cttctgcaag agcagtgggtg ccatttcacg caacattctt cagcagctgc aggagatggg 360
cattattgat gtcgatccca aggggtggacg gcgcatcacc ttccaaggaa ggcgtgatct 420
ggacca 426

<210> 24281
 <211> 253
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C5

 <400> 24281

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 ctggcaacct ggccctctggt ggtgctgctg gagcttcctc tttgtttttt gtgtactccc 120
 tggactacgc gagaacaagg ttggctaata acgcgaaggc tgccaagggg ggaggtgaaa 180
 ggcagttcaa tgggcttggt gatgtctacc gcaagacaca taagtcagat ggtattgctg 240
 ggctttaccg tgg 253

<210> 24282
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C8

 <400> 24282

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 gttattcctt cattaaaaact ggtcacattc actccttgaa ggaaggaaac tcacactaca 120
 cgatatttaa tccaccttgc cggcatgagc cagtcgcaat aggttcaagg cccggacaag 180
 catttcaaga gccatcttca tttcttgcca tacgacctct gtatgaagat gagagataca 240
 tggtaacata taaccaaca aaggataaaa tatatgcatt gcttaatgac caatcaaaat 300
 tagacgacat tatcaagctg ctttccatac tcatatgcta ttgcatttta ttaatgcac 360

<210> 24283
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-010-Q1-K1-C9

 <400> 24283

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 ctaagacgct gatcgacata ctgaacccat cgaacaagcc cggaggatca ccacacatca 120

caatgatgga tgcacataat ttcatgggtct agttacctca ccttatcctc acggtctctcc 180
 atgctatata caacgatata ttgatcactg acccgatata cagtatcacc atcaataatc 240
 cttacagact aaacatt 257

<210> 24284
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D1

<400> 24284

ggcaaatgct ctcttaggtg gcctgtgggc gatcgtcgtc gtcgcgcgcg gtcgtcggcg 60
 tggtcgccac cgtcacccac tccggcaaga aggccggcga cgacttcacc gtcccggggg 120
 aagcctccat tgccacgtcc ggcaagtcgg tcgagtcctt gtgcgcgccc acgttgtaca 180
 aggagtcgtg tgagaagacg ctctcccagg ccaccaatgg caccgagaac cccaaggagg 240
 tgttccacag cgttgccaaag gtggcgctgg agtcggtgaa aacagcggtc gagcagtcca 300
 agacgatcgg cgaggctaata gccagcgact ccatgaccga gagcgcgcgg gaggactgca 360
 agaagctcct cgaggacgcc gttgacgacc tcaggggcat gtcgagatg gccggcgggc 420
 acatcaaagt gct 433

<210> 24285
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B11

<400> 24285

cacgcgtccg gttcattcga cgcgagagga attgagtggg catgtatgtg atggtaaact 60
 gttcacgggt caaacttgaa agcgcactga ttcaagggca aaaaatgggt tcagcaggag 120
 ctgcaacgtc acagtttttt agatttggtt gagcagttta acattatgta tgtttggtta 180
 gatcgtttgt agatctatat atatattcac ttaaattcac atgtgttgga gtggtattgg 240
 tttttatatt tttttattt 259

<210> 24286
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-D10

<400> 24286

gcctgccgag aggtggccgg cggcaccgag gcggcctgtt ccgctgtgtg ctgctgcttc 60
 cgcgggcgtga tgggtgtacgt cgcgggtgctc gccacggtgc gcgcgcccgc ggcgctgcgc 120
 cgcaaggccg cccgcgtgag caagggccgc aggcgctctg cctacgcggg ccaggccacg 180
 gagatatacg agctcctcgt ggacgacacc ggcgtcgtcg aggtggatgc cggcgccgctc 240
 aatgcggtgg cgctgcccgt gaagcccgc ttgcagctgt aggaaaagg ggagctggat 300
 aaagaagtgc tggccaggtt ctacggcacc ggcttttga ggagcccttc gcagctggac 360
 gacaacgacg acaggtgatc gggac 385

<210> 24287
 <211> 149
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H1

<400> 24287

aaaagagaca ccacgccggc cgcgaggaat gtcgcttgaa ggccgacaga cgcggcgggt 60
 gcgactatcg ctctgagccg atgataaatg cccatgtggc tctaacttcc tatcatcaat 120
 tgcaccctgc cgatagccca ttcagcaca 149

<210> 24288
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H10

<400> 24288

cccacgcgtc cgcggacgag tgggtgcaat cccatgcatt ctaatctgcc accagaggtc 60
 agatgggtggg ttcagtcaca gccaaatttt gggatccaga aggatattgt tagcaagcgg 120
 ttatgttcgt tgggcaggga cattcatgag aagcaagtgg aagattcagt gccacaacct 180

ccgccgctgc tggcacggcg gtggacgatg gcgagccgcc tcagcagtgc gcgacccccg 240
 tgagcgtgga ggaggcgtgc cgcgggcgct ccgagacgca cgccggcgctg gcctacgacc 300
 actgcatggc gtcgctgggc gccgacccgc gcagcaagga ggccggcaac aagaacatgc 360
 acgggctggc ggtgctggcc accaggatgg ccatcgacca cgccgncagc accgagtcca 420
 agatcga 427

<210> 24291
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-H3
 <400> 24291

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 gcatccatcg gcaatgtcga acatcgggca gtccttccag gccggcaagg ctgaggccca 120
 gggcgagtac caggcggagc acgcgggcgca gtgcgtcaag gacaccgccg cagccgcggc 180
 cgacagtgcg cagctgcagc agcaccgccc caccggcacc gttgagcagg tggcgagac 240
 gggccaaggc gtggcgggcag gcgtaagga cacggtggca ggcgcgggcg ttggcgtcac 300
 gaacacggtg gccgacgtgg cgcgggcgct cacgaacacg gtcacggggc ccgtaggggg 360
 cgtcacgaac acggtgaccg gcgcgggcggc cggtgtcaag gacaccgtga ccggc 415

<210> 24292
 <211> 419
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-H5
 <400> 24292

cggacgcgtg ggcggacgcg tgggaggacg cgtggggcgga cgcgtagggc gacgcgtggg 60
 cggacgcgtg ggcgcggctc cgaatggcaa cttccccgaa ccccgcgacg attcaccgag 120
 ccggcgccca gtgacccttc cagaagcttc cagaaggtca ccgccatggc cgcgcccttc 180
 ttttccactc ctttccagcc ctacgtctac cagagccagc aaggatctgt gacggcgttt 240
 cagatatccg gtggagatgt gcaggctctg cagggtgatgc tgaagtctca ggagaagctg 300

actgcaaaac caggtgcaat gtgctacatg tctgggaaca tgcagatgga caacaattac 360
 ttgcctgaaa atgatggagg cgtgtggcag tggatttttg ggaaacgtgt aagcagcac 419

<210> 24293
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H6

<400> 24293

ggggctacag ccgcaaagac ctggcggtca gctacgttaa ggagaagcag ctgacgggtca 60
 acatggggat cagcaagctg agggagaagg tgaaggagca ccaagagaag ttccacagcg 120
 cggccaagat cgctggaacc aaccccggtg agtggatgga gaatgccgac cgttggatcg 180
 tcgggttcct cgagaagttc gaggaaggat gccacatgat ggaaaccgcc attaaaggtc 240
 gaattcagga ggggtctgaag aggcaaggca ggtcagagtc gaacctttcc ggagaggact 300
 ccgactcgta ataatggtct gtagtatcca aatcaaacta gacggaagct ggactggagg 360
 tcatactcgc gcagtctgtg taacagtgtg agattgatta gcatgttttt gt 412

<210> 24294
 <211> 146
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H7

<400> 24294

gggtctgaac atgtcgattg atccattcat aatatctgct atgccattac ttctctggct 60
 gttaatttcg atatgtaaag aggggagaat gggagacact attcgtttgg acatgacaat 120
 cggaattaa tcaataccca tttggt 146

<210> 24295
 <211> 423
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-H8

<400> 24295

atcattacca tcgccgcgcc cgcctgctgg ctccgccggc atcgaatttg accgccggtc 60

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ctcgctcgctg tcctagcggc ggccgtgtcc gcgctcccg cgatcaacgt gacgacgatg 180

gcgttcgagg acgggtacgc gccgctgttc gggcacggca acatcctccg ctccgccgac 240

caccgcaccg tcagcctcct cctcgaccgt tccaccgggt ccggtttcat ctcgctgtcc 300

atgtaccagc acggcttctt cagcgcgtcc atcaagctcc ctttcgacta caccgncggc 360

gtcgctcgctg ctttctacgc gtncaacggc gacgtgttcg agaagcggca cgacgagctg 420

gac 423

<210> 24296

<211> 200

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A1

<400> 24296

cccacgcgtc cgctccaagc gagctagagc tagagctata gagatcactc tccttcggcg 60

cgtgaggtag tgacgtgacg ccagccatg gcaacaatgg cactgcgcgc cgtggcgacg 120

gcgctgctgg tggcggtgc gtacgtgtgc ggcgcgtcgg cgtcgacgct ggtgctgtac 180

aaccggtgcg gggagacggt 200

<210> 24297

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A12

<400> 24297

gagagagaga gagagatgga tgaggagtac gacgtgatcg tgttggggac ggggctcaag 60

gagtgcacga tcagcggcct cctctccgtc gatggcctca aggtccttca catggacagg 120

aatgactact acggaggaga atcttcgtcc ctgaatctaa ccaagctctg gaacagggttc 180

aagggcaacg acagccctcc cgagcacctg ggcgtcagca aagagtacaa cgtcgacatg 240

gtgccaagt tcatgatggc aaacggcgcg ctgggtccgcg tctgatccg caccagcgtg 300
 accaagtatc tcaacttcaa agctgttgac gggagctttg tgtacaacaa tggcaagatc 360
 cacaaagtcc cggcaaccga cgtggaggcc ctcaagtcga acctgatggg cctgttcga 419

<210> 24298
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-A3
 <400> 24298

cccacgcgtc cgcggacgcg tgggctgacc acagcaacca acctcctctt tcctttggat 60
 ggatcggacc atcgatcaca attcacacag ccctagcccc taggtagtgg catcatggcg 120
 gtgaaggact gcggcgggca caagggctgc gagtgcgagc gggagcggct gtaccggcgg 180
 tgctgcgcgg cggtcgtggc tctgatcctc ctggctcctt tcatcgtgct cgtcgtgtgg 240
 ctggtgctgc gccccacaa gccccgggtt tacctgcaag acctgtcggg gctgtgcctg 300
 aacgtgacgc cggcggcggt cacgtacctg ttcacgacga tgcaggcgac ggtggcggcg 360
 cgcaaccgga acgagcgcgt gggcgtgtac tacgaccaag ctgacgcgta acgcaagta 420
 caagggcgtg gcgatc 436

<210> 24299
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-010-Q1-K1-A4
 <400> 24299

cccacgcgtc cgcggacgcg tccgcccacg cgtccggcgc tgggtctgga gttcgacgtc 60
 gcgcccttca tgggtgctcat cattgccatc ctcaacgacg gcaccatcat gaccatctcc 120
 aaggaccgcg tgaagccgct gccgacgccc gactcgtgga agctcaagga gatcttcgcc 180
 acgggcatcg tgctagggac ctacatggcg ctgccacgg cgctcttctt ctacctggcg 240
 cacgacaccg acttcttcac caacgccttc ggcgtgcggg ccatcaagga gaacgacaag 300
 gagctgatgg cggcgtgtga cctgcaagtg agcatcatca gccaggcgct catcttcgtg 360

acccggtccc ggagctgggc cttcgtggag cggcccggcg cgctgctggt gatcgcttc 420
 ctggcggcgc aa 432

<210> 24300
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A5

<400> 24300

gccacccggc cccaacatca ccaccaacta caacggcaag tggctcaccg ctagggccac 60
 ctggtacggt cagcccaacg gtgccggcgc tcctgacaac ggcggtgcgt gcgggatcaa 120
 gaacgtgaac ctgccaccct acagcggcat gacggcgtgc ggcaacgtcc ccatcttcaa 180
 ggacggcaag ggctgcgggt catgctacga agtgagatgc agggaaaacc ctgaatggct 240
 cggcaatcaa tcaacgggga cattaatggc cttaacctac aacctatcgg ttcctaacaa 300
 tttgacttga accgcaaagc cttcggtctc ctggcaaagc ccgggcttaa ccgacagatt 360
 cggcact 367

<210> 24301
 <211> 368
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-A9

<400> 24301

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 ctatcttcaa cacatggtga gcaagcaagc tccattgttc atactattct ttaggcctac 120
 atccttcgag cagacaatgt acaacttcat gatcatcttc atgatgcaaa tgaacagttg 180
 agacattatg aatctctact agaagatata cacaaggagt caaaaaggaa gattaaatcc 240
 cttaccgatt cactcaatgt atctaaacaa aatgaataaa tgctgaatat agatgccgac 300
 gatgtcataa agctgataga agctgctaaa ttcaatgaag aaaattttat aataacttca 360
 aatgaact 368

<210> 24302

<211> 434
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-010-Q1-K1-B1

 <400> 24302

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 ggacggcgggt gggcagcccc cggacacgga gatgacagac gccggcttgg gcggcggggg 120
 gcagccgccc ccgccgccgc agcagccggc gggcgggggc gggatgatgg agaacatcca 180
 cgcgacgctc agccacgggt gccgcttcat ccagtacaac atcttcggca acgtgttcga 240
 ggtcacctcc aagtacaagc cccccatcct ccccatcggc aagggcgcc acggcatcgt 300
 ctgctcggcg ctcaactccg agacggcaga gcangtggcc atcaagaaga tcgccaacgc 360
 cttcgacaac aagatcgatg ccaagcgcac gctccgcgag atcaagctgc ttcgncacat 420
 ggaccacgag aata 434

<210> 24303
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G9

 <400> 24303

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 gggcatcccc tcccaggag gaagacaacc ggcgacgctg ggggaacatg gggaagacgc 120
 cgggtcggat gaacgcggtc gtgtacgcgc tgtcgacctt ccagcagaat gtaatgccag 180
 cgctgtggaa agacatcacc accaagatcc aacacaaggt caccgagaac tggatctccg 240
 ccacgctcct gctaactccc gtcgtcagca cctaccaata cgccatgtgg tacaaggagc 300
 aggataagct ttctcacaga tattaaatgc gctgcccttg acagacagca ctcggagtgt 360
 tcatgatggg tttcataatc cttccatgat gatttaacat ttgtatgatc aatttcagtt 420
 caac 424

<210> 24304
 <211> 93

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-B10

<400> 24304

attccctctc taccactcg tctccccact cgtcctccca ctctttctat ttaaaaaaaaa 60

aaatataaac aaaagacaag ctaattataa aaa 93

<210> 24305
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-F12

<400> 24305

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tctctcttat ctccaccgcg cccgccgtgc gggccatcac cgacgccgcc ggcggccccc 180

gatacctcca ggaggcgtgc aacaagacgc tgttcccaa ggtgtgcatg cacgcgctca 240

aggacaaccc agagtgccag gcggagacgg cggtcacccc gcgccggctg gccgagctgc 300

tcgtgtacgt gtcggccgag gtgggcatga ccgtggccgc gttcgcgcac cacgagctca 360

acgccatcaa ggacgacgac gttctgtaca agtgcacga cacctgctcc gaggacatcg 420

a 421

<210> 24306
 <211> 276
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F2

<400> 24306

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ggcaccaaga tcacgttcgc cggtaagggc aaccagcagt ggaaccagct ccccgccgat 120

ctggtcttcg tggtcgacga gaagccccac cccgtgtacc ggcgtgacgg caacgacctg 180

ttggccgagg tccgtgtgac gctcgcccag gcgctgggcg gcacggtcgt cgtcctcacc. 240
gcgctcgacg gccgcgagct cgccgtcgac gtgggc 276

<210> 24307
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F3

<400> 24307

aatactacta atcaaaatct tgtcgggata tatctctcca attcccctac tgctacggac 60
ggggcaacaa caatgtgttc cggcctgcaa acataaccaa aaaaaaaaca cactgaaccc 120
aataatacta tcccacagaa acttttctct cagtccgttc gatcgatcgc tgacgagtcg 180
tttgccagac accatcagca cccaaaacca tggcctgcaa cctgggtcaa tgcagccacc 240
gccgcctcgg agactcgtca acccagaca cctcgccctg ctgcctacaa gtccgtctcc 300
ttcttca 307

<210> 24308
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F4

<400> 24308

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ggtctgccct ggcgtcctat gcggccacga ggctggcgcg cgtctgcggg ctccggccgc 120
cctgcatcct gtgcgggagg ctggaccacg cctccacgg gaagccatgg ttctcttcgg 180
acttgggtctg tgccgcgcat cggctctgaga tctcgtctct ggctcactgc aagacccatg 240
accagcttgt tgcattgtcc ggcgatctct ctgggcctac gtcggccagg tcaagaaggt 300
tgtgttcttg ttcggtacca ctcaagaatg c 331

<210> 24309
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F5

<400> 24309

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caaccgaaga agagcttcga tgatcgccgc cgggcgacgg tgtttctgcy tgaccacata 120
tccaactcgg tcaacatcgt gtgctacgtc ctctctgcy tggctctccgt cgccgccata 180
ccgtacctct acccgagat gggcgcgcy cagctcgccc tcctctacct cgccgcgccc 240
gtcgtcgcyt tctgcgacgc gtacgccttc ggcytgacgg acatgaacct gtcgagcacc 300
tacggcaagc tcgccatggt gctcgtgggc tccagcgtgg ggcgcaacga cggcggcgtc 360
gtcgccggcc tcgtggcctg tgggatcgtg atggggacca tgtccaacgc caacaacctg 420
atg 423

<210> 24310

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F6

<400> 24310

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agacaccgtg ttgacgatgt ctcttcacat gatgcatggt tcttgggggc catcgcatcc 120
gcagagtggc tccgtcgatg agattggtga gggcaagggg cttgggtaca atctcaatat 180
acctttgcct aatggaagtg gagatgctgc gtatgaatat gcgatgaacg agttggttgt 240
tccatcgatt gataagtttc agcctcaact gttgtttctt gtggtcggcc aagattccag 300
tgcgtttgat cccaatggaa gacagtgctt gaccatggaa ggctacagga aaattggaca 360
aataatgagg cgctgggctg atcgccattg caatgggcaa atactggttg tc 412

<210> 24311

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F7

<400> 24311

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aatatcatat cttttaaaaa aaattaatat tcttccattt tttttaaaat aaaatatattt 240
 attattcgat aaattaataa aatttatatcg cctattgtta aaaatacatt aaccaaaaaa 300
 acacttactt taaaatacta aaagaattta ttaaataaac atttttacc 350

<210> 24312
 <211> 324
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F9

<400> 24312

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 ccaaaccgtc ttcagtgcc aggactcgat catgttccaa gctatcaatg atggcaaaga 180
 tctttacgcc ttcgatacta ttccatatat tgacgatggc acacttcac gacgcacgca 240
 cctggcctca cgatctaagt atttggaacc tattgtcata taaagtgctt acacgtaatc 300
 cgtcagggtc atcgctcatg tctt 324

<210> 24313
 <211> 328
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G1

<400> 24313

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 ggggcgcgcg gtctggaagg actactacgc caagggtgat gctgttgtgt acttggtgga 120
 tgctgttgac aaggaacgtt ttgccgagtc gaagaaggag ctcgatgcgc ttcttgcaga 180
 tgactccctt gcaaacgttc ctttccttat actgggcaac aagattgaca ttccatacgc 240
 ggcttcagag gaagagctga ggtactacct tggcctgagc aactttacaa ccgggaaagg 300

caacgtgaac ttggccgact tcaacgtt

328

<210> 24314

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G10

<400> 24314

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ggttacgccg gggttcgcgc tccgtgacct tatccagtat ctgtacagcg acaaagttga 120

tgagaagaag gagctgatca aggggataac gttcggtaac aaagacaaat tccagcttac 180

gcctttgcct cagcaagtta ttgtgatatg gggagagcac gatcagatat tccctgtcga 240

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cactgtccac atgccc 316

<210> 24315

<211> 404

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-009-Q1-K1-G11

<400> 24315

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cgagcgctg cgccgcgcgt acgtcgcgct ccaggcctgg cgccgcgcca tgtactccga 180

ccccagaac ttcaccggcg gctgggtagg agccgacgtg tgctcctact tcggcgtcac 240

gtgcgtcccc gcactcgacg acgctaacac caccgtcgtc gcgggcatcg acctcaacgg 300

cggcgacatc gcgggttacc tncgcgcgga gctcggcatg ctcaccgata tcgccttctt 360

ccacattaac tccaaccgct tctgcggcat catccccaag agct 404

<210> 24316

<211> 55

<212> DNA

<213> Zea mays

24316 24317 24318

<223> Clone ID: LIB3066-009-Q1-K1-G12

<400> 24316

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<210> 24317

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G3

<400> 24317

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gcgacgatgg ctccgcgcag ctcatcgccg gcgacgtgcc tgtgcctcgc tctcgcccgcg 120

gccacgctgg cgctggccca cgggtgcgcaa ggaggaggac catcggcacg ggcggcggac 180

ctggacaagg tcacggccga gaccttcttc gacatcgaga tcgacggcaa gcctgcaggc 240

cggatcgtgc tgggactgtt tggggacacc gttcctaaaa ctgcagagaa cttccgagca 300

ctttgcacag gggagaaagg aattgccaa tccggcaagc ctctgtggta caaggggtcg 360

acgttccaca ggatcatccc ggggttcatg atccaggag gcgacttcac caacggcaac 420

<210> 24318

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-G5

<400> 24318

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tccagcccgg gcccctccgc gcccctctcc tgccgcggac cggcgctcgc ctggcgacgt 120

tcgagcgtga gggcgcgcac cggggccgac gacggcccgcg ggcataggga gtccccgtac 180

gaggtgctcg gcgtgtcgcc gtctgcgccg cccaacgaga tcaagcgcg gcgtaccggcg 240

ctcgcgctca agtaccaccc ggacgtgaac aaggagccca atgctcatga gaagtatctg 300

cggatcaagc acgcttataa cactctgatg aactcagagt cacgatccaa gtacgcgagc 360

agcagttcgg attcgtcctg gtcctccagc taccgggaga ggaaatcagc tgctgcag 418

<210> 24319
 <211> 256
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G6

 <400> 24319

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 ataattgaag tcaagtgata ggatcctggt ttttaagtac acgatacaac acaaattctta 120
 acataaaaaa aaaaaaacat aaaaatagat aaaaaaata aaaaaaagaa aataaaaaaa 180
 aaaaatataa ctaaaaaaaa aagaaaaaaa aaaaaaaa aaataaaaaa aaaaaaaggg 240
 gcgccccttt aaaaga 256

<210> 24320
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-G7

 <400> 24320

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 gcgatgaaac cttttcccca taatatgcag cttaggacct gttctcgctc aatacattgc 120
 gccatgatta tggcaggtag agtcctcccc ccctgagggt tgacatccgc tggagcacag 180
 cctctcagcc tttgctgact ggacgagata ctgagcgcaa cttccatctg ttgcgccatg 240
 tttcgctagc cttagcgtgta acagacatcg ttttttggtg ttggaagccc cattggcttt 300
 cgactagatt ctgttaaggt agggaaatgag gtttttagatc accttggatg taagagaagc 360
 aggtagcgcc gtgtctggag tgttttagtat gtttagttat ccgacgagtt tctcgac 417

<210> 24321
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-G8

<400> 24321

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gctccacctg gtccaccggc ctcaccaagg accactttga cggatcctcg ccctccgtca 180

gccgcctcgc cccttcccag tccgcgccc tctcccgta gcgggcggcc gttcgcgcca 240

tggacgagtg ggacgagagg agccaggaac tgtagcgca aaatatcgag gcgaaggcgt 300

acgtggattc atgggacgac cggatgcggg agacctgtgc gctgctgaag cagggtcggg 360

tgccgggcgc tcgngctcg tacctcaagg actcggagaa acaggagatg tacggttgc 419

<210> 24322

<211> 268

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F11

<400> 24322

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ctgctagatc aagccaccag cgaggacggc cgacgaccag aggcagacct gcatgcattc 120

gccggctcgc catgtatgaa acaggggagt tgaaagcgcg acacaccaga gaacgtgtct 180

gtgtatactg tgcaaagggg ctaaacgcaa gagaatatgc acatatacaa agtcgcttat 240

tctgtctgca tattgaaggc cagggtccg 268

<210> 24323

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D8

<400> 24323

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gaagagccgc agcatggcat catcggccgc gctcttggtg ctagccctcg cgctagtggc 120

ggccaccgcc ccacaggtag cggaggcaaa gaagaagaga gcggcggaga gcggcgaggc 180

ggcggaggcg aagaagatcc aggacgactt ctgctcgacg ctgtgcgagg gcaagaaggg 240

gacggacctg gtcgtgtgca aggagtccctg cgcgctctcc cagcagtcca acctggtgct 300
gtacggcagg atccagtgca agggcaagtg caccgagcag aagggcatca cggcgccggc 360
catgaaggtc tgccaggagg agtgcgacaa ggcgtacgtg gtgaaggcgg ccgaggtcac 420
ca 422

<210> 24324
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D9

<400> 24324

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cggagagagg ccagactgat ggggaatggca gcgaaggagc actttgtgct tgttcatggt 120
gaagggcatg gagcctggtg ctggttcaag ctccgctggc tccttgaggg tgctggctac 180
catgttacat gcattgacct agccggaggc ggcgtcgatc ctactgacct caacacaatc 240
cggtcgttcc agcagtaaga caagccactc atagacctca tttcaacctt gccggagggg 300
gagaagggtga ttctaatacg acatggtgct ggagggtga gtgtgattca tgcaatgcac 360
gaatttggtg acagaatcag ccaagcattt tttgtggcag ctacaatgct accatttgga 420
tttc 424

<210> 24325
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E1

<400> 24325

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catgaactat gagcctatcg cggcgtaacca cttcgattta gcaggcacgg cgttcggcgc 120
catggccaat aagggcgagg aggagaagct gcgcaaggcg ggcacatcg acatgcagtt 180
ccgaagggtt aagtgcaggt acgacttcaa ggtcaccttc caccttgaaa aggggtgcgg 240
ccccaactac ctggcactgt tggtaagta cgtcgacggc gacggtgaca ttgtggcagt 300

ggacgtcaag gagaaaggct ccgacacgta cgagccccctg aagcacttct ggggcgccat 360
ctggaggaag gacagcgaca aaccgcttaa gggacc 396

<210> 24326
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E10

<400> 24326

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agattagagc atcgctcgca acttttttagg aactcgatgt ggtgtgcatc ctatttagga 120
atgtgtactg aaaccatggc tctacgcctg tcacgggcaa aaccacctt ctagaatcta 180
gattaggggtt acaacttata agtgcttcaa gtgtgtgtcg gggacctttt tggaaggagc 240
gtgtctttgc aaggagtcga attagctcct ggtgttgatc ctgaagctct ggaagttgct 300
aaggattgtc tggagtccat ttttagtggt aactcaacag ccactgggtga cgcaatacaa 360
ccaggactgt tgtttgagct atttgcttct ctcgaagcaa atgaaagaga ccaggcaaga 420
gc 422

<210> 24327
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E11

<400> 24327

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gagagaaaca ggggagcgcc cccactcct cttcgctgcc aagaaaccac cattcctaac 120
ggatttctac ccagtcttct ttaggatttc cgattcgggt ctccggtgag aggggtgggaa 180
ttttattttc ctccgctgca accggtgcaa acatttcgaa tccctccatt ccattcctct 240
ccgtgcaatc gaccattcat atgttccttg gctgcattga ggcatcggtg cgcaattttt 300
gatgtgagct gaccagacat ggctgcgaaa gacggctcgg gatcacaaga tctggggggg 360
cacacgttct ggcccatgct gtcctacgct tgcggcgagc tgtgtgtgat cgtactgctc 420

<210> 24328
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-E12

 <400> 24328

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 cgggtctagg ctccggcgat ggaggctgat gtccggacta cgatggcaag ggcgggtgga 120
 tccgacacgt gcggggcgca cgggtggctga cgtgcgaaca catggtcagg tgggatccga 180
 cacgaacgag gtgcggctct agccgacgcg cggcggggcg ggtttgggat ggacagaagg 240
 ggtccgtgac ggccggacga caagtccgcg acatcggcgg cccgccgctg acagatggat 300
 gacgaggacc atcaatcagg catcgtcatc cttgagacct agcccgtcat aggaaacaca 360
 tctgaggtgg gagcggctgc aataaaaatt cacaaaaaag ggaggatgca ataaaacata 420
 agtgag 426

<210> 24329
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-E2

 <400> 24329

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 accgcgttgt cgcgcatccg atcgccgctc ctgtcgagct catcacccag agcacctccg 120
 atcgcatcat cgtgctgtct gtgaacatcg gccgtcccga cgatggatca gtcgagtgt 180
 gacgctggtc tcgccaaatc tactcacgcc gacttactgt tgatgctgcc cgacaccacg 240
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 gcgctgtccc tattatcctg cggccaggcg agttcacgct tcttatggtc cagacagggtg 360
 cgttgaatct ggtctcgccg gacgactgct actacaggca cgcactgaac gtttttc 417

<210> 24330
 <211> 417

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E3

<400> 24330

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 ggaatctctt gccctccttg ctctctgac ctgcgccctt ggatcacctt ccatgtgttc 120
 ttggccttgt tcaactcgtgc atctgaccat cagttcttaa gagtatattt ccattggaag 180
 caaatcttag gggttcctgg gagagactct gccaaccttt tttttttgcc ctggtgcatc 240
 tgcatacaact tgttcgtttc tctctcgtaa aaaaaaagc tcaactgtcg aaacgttttc 300
 gccaatgat ccatgataga ctaacgtcgt gtagatgtca caaatcctct ccgaggtgag 360
 tcaccgctgc agatttatga acaactcgac gctccggcga ggcacccatc ttgttct 417

<210> 24331
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E4

<400> 24331

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 gggaagtcc cggacccgag attttgcca attcttaggt taaaaatcgg ttacctggc 120
 ttaaccccg gtcttcttcc tttggttgt gttaaaggga aaaaattctt agatctgttc 180
 cggatcaagc gttccaactc gggaatcaag ggtttcacac atatatttgt ccatttgaaa 240
 attatgtact caaggggtct aaaggtggca aaaagtctag caattgtcgt tctatgatgt 300
 atgaagcttc cctttgctac aacatttagg acgttcgacc t 341

<210> 24332
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E5

<400> 24332

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aacaagaacg cactcgaggg ttagcggatg cttccagtcc atctctccgt tgttctactc 120
 ctgctgatag tactggtaga tcaaacaata ggatttctgg gatcgaatct acacctgtgg 180
 atcaagacgg aactggacca tccgctttac aatcaatggt acagggattt cataatcaaa 240
 gtgcaagtgg atggagggag aggtgggttt ctcggagcaa ctctttactg gatcttgggt 300
 ctgaggtgag gaggaggtc aacgcgggga ttgctgcggt gtctcgcag atggaatggc 360
 acgatgcaag ggacgggacg ggagcggagc cttctctac ctctgcatca agatctgggt 420
 c 421

<210> 24333
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-E6

<400> 24333
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 gccagctcg tccaaatcgg tcgatgcgaa tcggatgcaa cattttggga atgattctgg 180
 gttcagcttc aagacgccat caccgtgtga acaaccaacg gtgccgcctc ttactgcagg 240
 gcaaatcaat gtgggaagcg atgattgtgt tgctgttcag acgccggcca aagttcccg 300
 ggttcaatca agactggagc tagatagctc tgaggatgag gactaggatg aggatgatgg 360
 accagacacg gtggaaatcc tccccttacc cgcccggagc caaaatttgg atcaag 416

<210> 24334
 <211> 155
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-E8

<400> 24334
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 atcttacata cccttacgtg cgacaattta actattacat accttcaact aaattcaact 120
 aactcaccgt ctacattaca caatctatac tcaca 155

<210> 24335
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E9

<400> 24335

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 gtcacccgcc tgccgagggc cgagctcttc cgagtttctg cggagagtgg gcaacttttc 120
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 gatacgtcgt tccgacggcg aggtgttctg ggccggcgat cttcgaggcg tcgaagctga 360
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<210> 24336
 <211> 409
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F1

<400> 24336

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 gatcggcgct gtcggcgctt gcaaggtggc ggccgacgag accttcgact gcctccacag 180
 gggggatggt tcaaagcgca aggttgagca tgccctgaag aatatgtgca aggagggcg 240
 atattggggg actgttgctg gcgctctacgt gggcggtgtg tatggcggtc agaggggtccg 300
 tgggcgcaat gactggaaga acgcgatggt ccgacgcgcc ttgtccggcg cgctggtctt 360
 cggcgtcagc accaaccacg gagacaagat cgtcaaggac gccatcacc 409

<210> 24337
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F10

<400> 24337

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gctataccag acttttcaaa agcacaagcg gtttgtgaag ccgaagctat ctctgtaccga 120
ttttacaatc tgtcactacg ccggagaggt gctgtaccag tctgatcagt tccttgacaa 180
aaacaaagac tacgttgtgg cggagcacca ggaactgctg agcgcttcta aatgctcgtt 240
tatctccgga ttgtttccgc ctccgccaga ggagacgtcc aaatcgtcca agttctcttc 300
cattggagct cgctttaagc aacaacttca agcccttatg gacacattga actccacaga 360
gcctcactat attagatgtg tgaagccaaa caatgtcctg aaaccagcga tctttgagaa 420
cgtc 424

<210> 24338

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D7

<400> 24338

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tccgtgtgaa gcagttgttc gagaagctcg gagcaagcta caaggccatt gagttggata 180
aggaaagtga tggagctgag ctccagaatg ccctgaagga gtggactgga cagaggactg 240
tcccaaagtgt cttcatcaat ggggaagcata ttggcggctg tgatgatact atggcactga 300
acaatgatgg gaagctggtg cctttgctga ctgaggctgg aaccatcgcc ggttctgcct 360
cgaagacaac catcactgct tgacatgtgt gtaaccattc 400

<210> 24339

<211> 426

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-030-Q1-K1-F10

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cagagacttc aattcctctc aacttactta ccagcaagaa cttcaacatc ttgaaagttg 180

ggtgaaagaa tgcaggttgg accaactacc atttgtgcga caaaatttgg catacttctt 240

attgtccgct gctggctgca tgtactcccc tgaactgtct gaagctcgca ctttgtgtgc 300

aaaaaatggt gcgctcataa ctattgttga tgacttcttt gatgttgag gatcaaaaga 360

agaacttgaa aaccttgtca tgttggttga gctgtgggac gagcatcaca naattgagtt 420

ttactc 426

<210> 24340

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-B11

<400> 24340

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gcccgcgtcc gaccggtagt gcttctgcgt gaactcgagg aactcgcgcc acgtgaagtc 180

cgggaaacgcg cgcggggcggc ccgcctgctt gttctcctgg aggagcgcgc ccggcgggcg 240

gacgacgcgg tccagcggcg ggttgaggaa gaaggcgagc gaccggcggg cgccgtcgcc 300

gctcaccacg gcgcggtgca ngcagctggt gtgaccccc tgggtgagcg cggcgaaggt 360

gtcgccgatg ttgaccacga acgcggtccc gcggggccgn accgggcgcc acggtccgcc 420

gcc 423

<210> 24341

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A9

<400> 24341

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ccatcgactg cccctcgcaa cgcaatggcg ctgcgccacca actccgcccgc tgccgcagca 120
gctgccgtat ccggcggcgc ggcaccccag ccgcaccgcg cggccacgtt cctcccgtg 180
aagaggcgca ccatctccgc catccacgcc gccgacccgt ctaagaacaa cgggcccgcc 240
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ccggcggcgc cggtaaagtg ggcggtcgac agctggaagt cgaagaaggc actgcagctc 360
ccagagtacc cgaaccagga ggagctggac a 391

<210> 24342
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-D4
<400> 24342

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aatgggacct gaaaacatga ggggtgaaact tccacacctg atacgcgctg tccgtggggc 120
cggtcagata gtaacatggg ttactgacct aatgcatggg aacactatga aggccccttg 180
cggactcaaa acccgctcgt tcgacaggat tttgggtgag gtgcgtgcgt tctttgatgt 240
ccacgaacaa gaagggagcc accctggagg agtgcacta gagatgactg gacaaaatgt 300
tacagagtgc atcggcgggt cacgtacggg gaccttcgat gatctggggg cacgctacca 360
cacgcactgc gacccaaggc tcaatgcctc acagtctctg gagatggcat ttatcatcgc 420
cgagcgcctt aagaaaag 438

<210> 24343
<211> 434
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-011-Q1-K1-D6
<400> 24343

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ggcatcatga acacatgtgg gtgaaactta cacacctgat acccgctgtc cattctgccc 120

gtcagatagt aacatggggtt actgacccaa tgcacgggaa cactattaag gccattgctg 180
gactcaaaac cctctcggtt gacaggattt tgggtcacgt gctgctgtt tttgatgtcc 240
acgaacaaga agggagccac cctggaggag tgcactaga gatgactgga caaaatgtta 300
cacagtgcac cggcgggttca cgtactgtta ctttcgatga tctgggggtca cgctaccaca 360
cgactgcta cccaaggctc aatgccttac agtctctgga gattgcattt atcatcgccg 420
aacgccttat gaaa 434

<210> 24344
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-F6

<400> 24344

cggacgcgtg ggcgagcaag ccttaaccg gcaagactcc accaccggtc ttttctacga 60
ctgctccgcc cacatgctct gggtcggcga gcgcaccgag cagcttgatg gctccatgt 120
ggagttcctg aggggggatcg ccaacccctc tggcatcaag gtgagcgaca agatggagcc 180
cggcgagctg gtgaagctga tcgacatact gaacccgacg aacaagcccg ggaggatcac 240
cgatcacaca aggatggggg cagagaacat cagggtcaag ttacctcacc ttatccgcgc 300
ggtccgccag gctggacaga gtgtcacctg gatcactgac ccgatgcacg ggaacacccat 360
caagactcct tgcggacgaa agactcggcc atttgactcc attctggccg aggtacgggc 420
cttcttcgac gtgcacg 437

<210> 24345
<211> 293
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A2

<400> 24345

cgcgcgcac gccgccaagg tggccgcca ggcctacgag ctccggcctc ccagccggcg 60
gccccgaccc gacgacctcg tcagctacgc ggagagctgc atgtacaccc ccacctaccg 120
cagctaccgg taaggaccac ccatgccgcc atgcgtggca tggagccatg gccggcgcta 180

gaggagtgag ttttacacgt acgtactttg atttttttta tgtactgtat ttctgtgtac 240

ggcaaaatac accacaccca catatatacg gaggtgaagt tgattcttct.gac 293

<210> 24346

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-B5

<400> 24346

cccacgcgtc cgcccacgcg tccgcggacg cgtggggatg tccaaacata ctgggtctcc 60

gatcgaagag tgccgcccga agatctggct gatggactcc aagggcctga tcgtggtgtc 120

acggaaggac tcgctgcagg cgttcaagaa gccatgggcg cacgagcacg agcccgtggc 180

aaccctgctg gaggccgtgc agtccctgaa gccgacggtg ctgatcggca cctcgggcaa 240

gggcggcacc ttcaccaagg aggtggtgga ggcgatggcg tcccagaacg agaagccggt 300

catcttcgcg ctgtcgaacc cgacctcgca ctcgagtgac acggcggagc aggcctacac 360

ctggaccaag ggccgcgcgg tgttcgcgag ctgcagcccc ttcgacagcg gtgagctgga 420

cggcaagggtg ctggtgctcg ggcagt 446

<210> 24347

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-E9

<400> 24347

cccacgcgtc cgcaagtcct ggggtccaca tgatgatgca attactgatt aggaatgaga 60

gagatggcat tctgtgcccga attcctcagt accccttgta ctcggcctcc atagctcttc 120

atggtggagc tcttgtcccc tattaccttg atgaaaaaac tgggtgggggt ttggagatct 180

ctgatcttaa gaaacaactc gaagatgctc ggtcaaaagg cattgatgtt agggccttgg 240

tggttatcaa tccaggaaat ccgactgggc aggttcttgc tgaagacaac caatatgata 300

tagtgaaatt ctgtaaaaat gagggccttg ttcttctagc tgatgaggta tatcaagaga 360

acatctatgt tgacaacaag aaatttaact ctttcaagaa gattgcaaga tccatgggat 420

acggcgagga tgatctccct ctagtatcat ttcagt

456

<210> 24348

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D6

<400> 24348

tgcggtgttaa gctcatcatg aaagaagggg tgaagaactt caacccggtt tatctctggg 60

acgaaggatc gaccatcagc tgggtgcctt gtggaagaaa gctcacatgc tcttaccctg 120

gcatcaaatt ttcctatggc ccggacactt acttcggaaa cgaggatatct gttctggaga 180

tggatgggca attcgacaga ctagatgagc tcacttacgt ggagagccat ctaagcaacc 240

tttcaaccaa gttctacgga gaggtgacac aacaaatgct aaagcatgca gacttcccag 300

gtagcaacaa cgggacaggt ctcttcaga ccatcattgg actgaagatt agagacctct 360

atgaacagat tggtgctgag agggctggtg taccagcgga agcagcaaaa gtttaacgat 420

ctat 424

<210> 24349

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F11

<400> 24349

gcgtccacgc gtgcgccac gcgttcgcta gctttgttgc tgaatgcgga gccagtctcg 60

agcgaggggg gggcttgagc gagatggacc acgcggcgga cgcgcacccg acggacctga 120

tgaccatcac gcggcacgtg ctgaacgagc agagccggaa ccccgagtcc cgcggtgact 180

tcaccatgct gctctccac atcggcctcg gctgcaagtt cgtcgcatcc gccgtcaaca 240

aggccaggct tgcacagatc atcgggctcg ccggctagac cgacgcgcag ggagaggagc 300

tgatgatgct ggacgttctg tccaa 325

<210> 24350

<211> 407

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C1

 <400> 24350

 cacaccacac cacacctgct cgtttccact ccgctcgtct gacatctcgt cccgtcgttg 60
 cgtttcgaag cctcgcgagc cccgacgatg gccaccgccg cgggtgctcggc cgacgagaag 120
 ctcgacaagc ttcgcgccga ggtcgccaag ctcgaccaga tcagcgagaa cgagaagtcc 180
 gggttcatca gcctcgtgtc acgctacctc agtggggaag cggagcagat cgagtggagc 240
 aagatccaga cccctacgga tgaggtggtg gtgccctacg ataccgtcgc gtagcctccc 300
 gaagatctcg aggagacgaa gaagctgctg gataagctcg ttgtgctcaa gcttaacgga 360
 gggctcggga cgaccatggg ctgcactggg cccaagtatg tcattga 407

<210> 24351
 <211> 388
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G2

 <400> 24351

 atcacacaca ctgcggaact ccatttcgat tccattttaa atcaacccat cctcgtttcc 60
 ggcgtgtggc agcctctcac cctcatggcc aagatcaaga tcgggatcaa tgggttcggc 120
 aggatcgga ggcgtgtggc cagggtggcc ctgcagagcg acgacgtcga gctcgtcgcc 180
 gtgaacgacc ccttcacag caccgattac atgacctaca tgttcaagta tgacactgtg 240
 cacggacagt ggaagcacca tgaggtcaag gtgaaagact ccaagaccct tctctttggt 300
 gagaaggagg ttgctgtgtt tggctgcagg aaccctgagg agatcccatg gggtttccgt 360
 ggcgcttaat atggttgtga gtctactg 388

<210> 24352
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-021-Q1-K1-G3

 <400> 24352

atcacacaca atctcgaact cgctttggat ttcatttagc atcaacccat gctcgattcc 60
 ggcgtggaga ctctctcatg gtaatggccc agatcaagat cgggatcaat gggttcggca 120
 ggatcggaag gctggaggcc aggggtggacc tgcagagcga cgacgtcgag ctcgtcaccg 180
 tgaacgaccc cttcatcagc accgattaca tgacctacat gttcaagtat gacactgtgc 240
 acggacagtg gaagcaccat gaggtcaagg tgaaggactc caagaccctt ctctttgggtg 300
 agaatgatgt tgctgtgttt ggctgcacga accctgagga gatcccatgg ggtttccgtg 360
 gcgctgaata tgggtggtgag tctacttgtg ttttcac 397

<210> 24353

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G9

<400> 24353

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 ccgtgcagag cgaggatgtc gagctcgtcg ccgtcaacga ccccttcac accacggatt 120
 acatgaccta catgttcaag tacgacaccg tgcacggcca atggaagcac agcgacatca 180
 ccctcaagga ctccaagacg cttctcttcg gcgagaagcc ggtcaccgtc tttggcatca 240
 ggaaccccga ggagatcccg tcgggtgagg ctggtgctga gtatgtcgtg gagtccaccg 300
 gtgtcttcac tgaca 315

<210> 24354

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H1

<400> 24354

cccacgcgtc cgcccacgcg tccggtgctg gcgttcgtgc agtcacagac aggcgtccgg 60
 gcaccgtgtc tttcaccggc acgcaggaca agtgcacggc gtgcgacaag accgttcact 120
 tcatcgacct cctcacggac gacggcgcca tctaccataa gacatgcttc aagtgcagcc 180
 actgcaaagg ggtcctctcg atgtgcagct actcctccat ggacggtgtg ctgtactgca 240

cttcacgcca ggtggcaagt catcagacaa ggggtgaactg acaagggccc caagcaagct 360
 gtcgtctgca ttttctggta cccaggataa gtgcgcagca tgccagataa cagtgtaccc 420
 gctggagaag ttaactctgg a 441

<210> 24357
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B3

<400> 24357

cccacgcgtc cgggcttgct gagctggagc tgatggatct agggtttggg ttgcggtgat 60
 ggtcctgcag cgcaggagga gctcatggcg gaagctccgg cgagccctgg cggcggcggc 120
 gggagccacg agagcgggag ccccagggga ggcggaggcg gtggcagcgt caggagcag 180
 gacaggttcc tgcccatcgc caacatcagt cgcacatga agaaggccat cccggctaac 240
 gggaagatcg ccaaggacgc taaggagacc gtgcaggagt gcgtctccga gttcatctcc 300
 ttcatacta gcgaagcgag tgacaagtgc cagagggaga agcgggaagac catcaatggc 360
 gacgatctgc tgtgggcat ggccacgctg gggtttgaag actacattga acccctcaag 420
 gtgtacctac ggaag 435

<210> 24358
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B8

<400> 24358

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 cgagaaggtc gacccggcgg tgcagcgggt ggtccgcagc cagatgaacg cgggtggactc 120
 gtcgccgttc agggagtcgc cggacctgtt cgaggtggag gccaccaacg gcatgccgcg 180
 ggcgtccatc gacaagctcc ccgagtcgtg gatcaccgag gagtacaggc gcgacgccgt 240
 cggcgacctc tccggctgct ccgtctgcct ccaggatttc caggtcgggg agaaggtgcg 300
 gagcctgccg gactgctggc acgtgttcca cgtgccgtgc attga 345

<210> 24359
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D2

<400> 24359

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acgtcctata tcggtggctc ctgcctctcg ccgccgatac agtgcctctc gcggtctcgc 120
tcccactcac aggtctattg gtttttttag ttctacctt agcttcttgg aggtgtttgt 180
tgccgtctca cccgcagttc ttgagacatg cagagccaga tagtgtgcca cgggtgcagg 240
acccttctga tctacccaag aggtgctccg agcgtgtgtt gtgcggtatg ccatgtggtc 300
accaatgttg ccgcttcagc aatggagatg gctcgactta tatgtcgtgg cttgcagaca 360
ttattgatgc atgctcgag tgcaacaact gt 392

<210> 24360
<211> 468
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B7

<400> 24360

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cctcaccgcc tacaggagat ccgccgcttc ttccaagact acaagaagaa cgagaacaag 120
gaggtggccg tcaacgaact cctgcccgcc gccgctgcc gcgaagccat ccagtactgc 180
atggacctgt acgggcagta catcatgcag accctgcggc ggtagagcgt gtctaccag 240
atcccatgcg agctgagctg acgcaagagc acagatcgac agaatecttg tggcttagtc 300
tcatgcatgg atagccaggt cacatggctt gtcgacgacc atgcatctgt tcttcccagc 360
gattctagcc tgtatctgcc cttatttata gtctcttggg tttggtggaa tctgtccaca 420
gtgtggcttg atctatgtac tactcttcta catttctacc agaacgaa 468

<210> 24361
<211> 428
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D6

<400> 24361

cgcggcagac ggtagccgac ttcttcgacc ggtgcaagca agaccagat cactggggga 60

gaatatctgg agcagggctg cagcgcatat acgagaagta cacatggaag atatactcag 120

agaggttgat gacactggcc ggggtctacg gtttctggaa gtacgtgtcg aagctcgaga 180

ggcgggagac gaggcgctac cttgagatgt tctacatact gaagttccgc gagctggcga 240

agaccgtgcc gcttgcaatt gaccaaccgc agtagcttgc gcaactgcga ctgcgtagca 300

cttggtacaa gactgaaacc tgaaggacct tcagtaattt aggcgcggca gacggtagcc 360

aataaaatgt gccggagctg aactggtttt tattatgtac ataatggcag tataacaaaa 420

ttactgaa 428

<210> 24362

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B9

<400> 24362

gctagctctc tggtgaccat tgcgtattct gaaccatcga gccatggctg ccaagcgtac 60

tggcctccac agtcttcgcg aacgccttgg tgccaccttc tcctcccatc ccaatgaact 120

gatagcactc ttttccaggt atgttcacca gggcaaggga atgcttcagc gccatcagct 180

gcttgcgag tttgatgccc tgtttgatag tgacaaggag aagtatgcac cttttgaaga 240

cattcttcgt gctgctcacg aagcaattgt gctccccca tgggttgac ttgctatcag 300

gccaaaggcct cgtgtctggg attacattcg ggtgaatgta agtgagcttg c 351

<210> 24363

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C2

<400> 24363

gatcgggatt gtgggagagt gcgtgcttc gtgcagccac agacaggcgt ccgggcacca 60
 tgtctttcac cggcacgcag gacaagtga cggcgtgcga caagaccgtc cacttcatcg 120
 acctcctcac ggccgacggc gccatctacc ataagacatg cttcaagtgc agccactgca 180
 aaggggtcct ctgatgtgc agctactcct ccatggacgg tgtgctgtac tgcaagaccc 240
 acttcgagca gctcttcaag gagaccggga gcttctccaa gaacttcacg ccagggtggca 300
 agtcatcaga caagggtgaa ctgacaaggg cccaagcaa gctgtcgtct gcattttctg 360
 gtaccagga taagtgcga gcatgccaga aaacagtga cccgctggag aaggtaactc 420

<210> 24364
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-030-Q1-K1-G10
 <400> 24364

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 tcggaagggt gaacttccca tccctgagga attgaccaag ggtacaattg aggagctatt 120
 caactttggt gccatgactc taaaggaatt tgtagaaca gaagatggga acgatgaaca 180
 acgagcgctt ggtttcacat tttctttccc agttagacaa acatcagtat cttcggggtc 240
 attgattagg tggaataaag ggtttttgat tgaagatgcg gttgggaaag atgtggctca 300
 atgcttaa at gaagctcttg ctaggaatgg actaaatgtg cgagttactg cactggtgaa 360
 tgacaccgtg gggacattag ctctaggaca ttatcacgat gaggatacag tggctgctgt 420
 gatcattggt 430

<210> 24365
 <211> 280
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-F11
 <400> 24365

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 atgttacatc tcaccgatga ataaaatgta tgtatcacac ttgtctcgtt tttttgcccc 120

tccaagcagc aaattagccg ctggcacagc atgcggtaat aatcttgtca cagtgcgtga 180
attgggagcg tttttcttgt tagaagtgtt tctggtttgt ttgagcattt acggatcgat 240
ttttctttct gaagagtata taaacatttt actcacctgt 280

<210> 24366

<211> 338

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F12

<400> 24366

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gggtgatgtt tgggttcgggt ctggaattgc actgaatggg aaagcgtcca tcaactgcaa 120
acctgtcgtc aagctataaa ttcaatacgg atcactgatt ggtgaataat gatctcagtc 180
gccttgagga cctttagata agaataagcg tatcaccacg tacgcttact tacccaagtg 240
acggatcatc gctcgtggac tctcctgaat atccagacaa gtccgatgat actacggacc 300
atatcaactg ccagcatatt gcaatcattg tacatgta 338

<210> 24367

<211> 320

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E5

<400> 24367

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gaacttggtc ctgagttcaa gaaggttggg agcttccttg gtcgcttcaa gtcgatacct 180
agcattgttg agcttgacag cttgaaggtt tccggtgatg tttggttcgg ttctggaatt 240
gtactgaagg ggaaagtgac catcactgca aaacctggcg tcaagctaga aatcccagac 300
ggagcagtga ttgggaataa 320

<210> 24368

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G12

<400> 24368

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cctcgcgagc cccgacgatg gccaccgccg cgggtgctgggt cgacgagaag ctcgacaagc 120

ttcgcgccga ggctcgccaag ctcgaccaga tcagcgagaa cgagaagtcc gggttcatca 180

gcctcgtgtc acgctacctc agtgggggaag cggagcagat cgagtggagc aagatccaga 240

cccctacgga tgagggtgggt gtgccctacg ataccgtcgc gtcgcctccc gaagatctcg 300

aggagacgaa gaagctgctg gataagctcg ttgtgctcaa gcttaacgga gggctcggga 360

cgaccatggg ctgcactggg cccaagtctg tcattgaagt ccgcaatggg ttcacattcc 420

ttgaccttat tgtgatcc 438

<210> 24369

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G12

<400> 24369

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ggtcctttcg tttcgaagcc tcgcgagccc cgacgatggc caccgccgcg gtgtcgggtcg 120

acgagaagct cgacaagctt cgcgcgcgagg tcgccaagct cgaccagatc agcgagaacg 180

agaagtccgg gttcatcagc ctcggtgcac gctacctcag tggggaagcg gagcagatcg 240

agtggagcaa gatccagacc cctacggatg aggtgggtgg gccctacgat accgtcgcgt 300

cgcctcccga agatctcgag gagacgaaga agctgctgga taagctcggt gtgctcaagc 360

ttaacggagg gctcgggacg accatggtct gcactgggcc caagtctgtc attgaagtcc 420

gcaatggggtt cacattcctt gac 443

<210> 24370

<211> 440

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-025-Q1-K1-A10

<400> 24370

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actacgagaa tccttgaggc tcgctgtagc cgaagtcctg ttgccagcct accgatcttt 120
tatcaaacgc tttggcaatc ttgtggacia caacaagaac ccgcagaagt acgtgcggta 180
cagcccagaa gcagtggacc aacttctagg ccagttcttc gaagggcagc aatgggcgga 240
gcaaaagcgc tgagcaacat agagtgtgag tgacggcatg agtacagcca gatgccagta 300
agttcaacag cacagatttc ttccgaagca accaccagtt ctttctcgca ctacataaa 360
tatatagtga cataaacgct tgctgtgcaa gcactaccta gttntctttt ctcagaaaaa 420
gcgcgcctaa gtttcttttc 440

<210> 24371
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-H9

<400> 24371

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cagacaaaac agaagacgag aagaactgat gtagccatgt tcacgcctcc atgcgcacia 180
agaaattgaa gaccggctcg cgtttactct cttggctcgtg gagtttgttt atcctcatat 240
aaccgtgctt tgattataac ttaccgccga gggaatttgt attatgacgc tgcaacaatc 300
ttctctccat atatgttcaa gggattttcg tgtttcaatg ctctccaaaa aaaaacaaca 360
tcctaaga tatctaagct tacatactc aatttacaac aaaaaaagg ggccgcgctc 420
gcgatctcta agtctagatc gcgagc 446

<210> 24372
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H6

<400> 24372

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tgaatgacag tgagttgggt gttttactcg gtgatgagtg gataaagcag atgacaaaata 120

gagttcgacg ctggagcatg gattatcagc gggcaacatg gggcaagggtt acaactgtgc 180

tgcaaagtgg tactccaggc attggtggac tcccagccaa ggcaatgctg cagaaaactgc 240

gaatgtttta tacatatctt gaggagatct atgcggcaca gtcagaatgg gtgatagcag 300

atgaccagct aaaggttgac attagggcag cggaggagga gacagtgatg ccagtttacg 360

<210> 24373

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H6

<400> 24373

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gcacgcagga caagtgcacg gcgtgcgaca agaccgtcca cttcatcgac ctcttcacgg 120

ccgacggcgc catctaccat aagacatgct tcaagtgcag ccaactgcaaa ggggtcctct 180

cgatgtgcag ctactctctc atggacgggtg tgctgtactg caagaccac ttcgagcagc 240

tcttcaagga gaccgggagc ttctccaaga acttcacgcc aggtggcaag tcatcagaca 300

aggggtgaact gacaagggcc ccaagcaagc tgctgtctgc attttctggt acccaggata 360

agtgcgcagc atgccagaaa acagtgtacc cgct 394

<210> 24374

<211> 473

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-G6

<400> 24374

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ggcaccatgt ctttcaccgg cagcaggac aagtgcacgg cgtgcgacaa gaccgtccac 120

ttcatcgacc tcctcacggc cgacggcgcc atctaccata agacatgctt caagtgcagc 180
 cactgcaaag gggctctctc gatgtgcagc tactcctcca tggacggtgt gctgtactgc 240
 aagaccact tgcagcagct cttcaaggag accgggagct tctccaagaa cttcacgcca 300
 ggtggcaagt catcagacaa ggggtgaactg acaagggccc caagcaagct gtcgtctgca 360
 ttttctggta cccaggataa gtgcgcagca tgccaganaa cagtgtaccc gctggagaag 420
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<210> 24375

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G8

<400> 24375

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 ggggtgtttc cattgatggc gcccaacttt ctttgagac aggtgaaatt gattttggtg 120
 aacctggaac taatggccag cacagcttct atcaattaat ccatcaggga agggttatcc 180
 cttgcgactt tattggtgtt gttaaaagtc agcagcctgt ttacttgaaa ggggaaactg 240
 tgagtaatca tgatgagctt atgtccaatt tctttgccca acctgatgca cttgcttatg 300
 gaaagactcc tgaacagttg cacagtgaga aagttccaga aaatcttatc cctcataaga 360
 cttttaaggg caaccggcca tctaagtt tgcttctgcc tacactatcc gcatatgagg 420
 ttggacagct tttatccatc tatgagcacc gga 453

<210> 24376

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-027-Q1-K1-E1

<400> 24376

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 aggttgcgta tgccctgtct cagggactaa aggtcattgc atgtgttggt gagacacttg 120
 agcagagggg ggctgggtct accatggagg ttgttgctgc acaacaaaa gcaattgctg 180

agaagatcaa ggactggagc aacgtagttg ttgcctatga accagtttgg gctattggaa 240
 ctggtaaagt tgccacccca gctcaggctc aggaagtga cgctncctg agggattggc 300
 taaagaccaa cgtcagccct gaggttgctg aatctactag gatcattta 349

<210> 24377
 <211> 304
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-014-Q1-K1-H11
 <400> 24377

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 gagggccgag ttcacgaca tcacaaacgc cgccgccgtg tgaagtccgc tgaagatggt 120
 ccaacccttc accctgttgc ggtgatgtgc tgaagacaga tcagactatt tttttgttta 180
 accgtgcagt gctatgtaag ctactaactt tgcgctggtg cggatgctga tttccctccc 240
 cctagctttt tgtgaggcta ctctacagct tgattcagct tgctaataat gtttgcctct 300
 ggac 304

<210> 24378
 <211> 360
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-C3
 <400> 24378

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 acgagacgga caccagtc cagatgagcg aggcgtcgag gtcgcagatg atgatgtccg 180
 atgtccacca ccaccaccac caccagact ccgcgggcgg cggcagcgaa gcgggggttct 240
 cgctgtcgtc cttctccttc aagctccagg acaagcgagg gcggatgcac cgcttcagct 300
 gtgaggttca gagcttgacg cctctggtga cctgcatnct gcggaagctc ggcgccgaca 360

<210> 24379

<211> 400
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C4

 <400> 24379

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 ggattagtcc ttcgttggga gaaggataag tcgaaggtct tgtctgcgaa cgcttacgcg 120
 actggtactg actccaacgt tatcaacttg agcccctcca accacagctt ctaaaacagc 180
 aagaaaggtt acaactaagc attgccataa gcatgggcct gggcctgtca accaaactat 240
 catcataccc aaggagact catttgccga acaacttaat tccaaaggcc cttgaaaggg 300
 caacgggacg ttcaagttga atgtcaattt gcaagtcaac acggacttaa gccagtacac 360
 aacccatggt aatggcatcg ctattttact cacgaataac 400

<210> 24380
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C6

 <400> 24380

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 atcctcgatc gggagacgca gaggtcccgc ggcttcggct tcgtcacctt ctccacggag 120
 gaggcgatgc ggaacgccat cgagggcatg aacggcaagg agctggacgg ccgcaacatc 180
 accgtcaacg agggccagtc ccgcggcggc cgtggaggcg gcggcggcgg cgggtacggt 240
 ggtggccgtg gaggcggcgg ctacggcggt ggcgggcgcc gtgatggcgg cggcggttac 300
 ggcggtggcg gcggctacgg tgggtggcgg gcgggctacg gtggtggtgg cggtgctac 360
 ggcggtggca accgtggcgg cggtacggc aactccgacg ggaactggag gaactg 416

<210> 24381
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C7

<400> 24381

cccacgcgtc cgcagaatag taggagttgg atgcgcatgc acttcacgac aaatgagggg 60

caaacaaatt tcaaaaagtt catacaaact acatttggtg gcactactag aggagaaact 120

gcaccatgtc catgttcaag atgtcgatgc atgtcctaca aaacacaatc tcaggttcag 180

agtcacttgg ttattagagg gtttgatgag agcttcatcg aagaaggaaa ccaagcaaac 240

gattcagatg agggcaatgc tgcaacagtt gtcaatgatg atgaaacagg tgacagtggg 300

tctgtgaccg aactagtttc aacgctaadc agtggtgcta tacatgaaga catcatagga 360

aatattaatg aagagccaaa tgcataagca aaggcattct ttaatctatt aacagaggca 420

aag 423

<210> 24382

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C8

<400> 24382

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gatggaacta caatactctc caagaggtac agcttcatgt atcagcattt aggaccttct 120

tggacatagc tggtgacaac ttaagtggca agatttttac tgaggcattt gatgcggact 180

gcttccccct tacactcttc tcaagtttat ttgaacctgg atggtcttct gggagttag 240

cagtctccat taagggcctt ttatcattgc tggtggaagg aggcgctgac aatgtaaadc 300

agtgttttct tgaagcagcg cgctttggaa gtactgaact tgtacgatt ctgctgaagg 360

tcgcatatca aaatagcttg gctgtggaca ccgatctggc tctggtgtat g 411

<210> 24383

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C9

<400> 24383

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tggtggtggg tgattggtgg ccagggtttg aggcgcgatg cacaacggcg gggcgccgtg 120
 ttcaccgcgc gcaagaggag agacgcgagg aaagggggcg ctaggtcaca gtaatcttcc 180
 ggctctctct ggaaagccga aacaatcttg tttctgctta atccctatag agtggtgctt 240
 acaattatct atactccctt ctagtcttta tctaatagaga taaatcccct attttctctc 300
 taacaaatct tatctcctta atcttcta atcttatcatc ttctaatacct tatctgcgtg 360
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 a 421

<210> 24384
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-D10
 <400> 24384

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 tccgtggcaa tggaccgcca cgacagggag aaggagaagg cggcgggtgct gctgtcctcg 180
 ctctacggcg acgtcgtcga cgcgccgcag ctctgcaagg ccttctgcaa gctcaccgag 240
 tcttgcgacg acctgtccgt cgacacgccc gacgccgtcg acatcctcgc cgtgttcgtc 300
 gcccgcgcgc tcgtcgacga catgctgccg ccggcggttc tggccacgca gagcgcgcgc 360
 ctgccccacg ggtgcaaggc cgccaaggtc ctccgcaggc cggagaagag ctacctgtcc 420
 gtg 423

<210> 24385
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-D11
 <400> 24385

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 tggacgacga ctgcttcgtt gccaaaggacc catcaggcaa ggatatcaat gcccttgagc 120

agcacatcaa gaacctctc agcccgcca caccgttctt cttcaacacc ctgtacgacc 180
cctaccgtga ggggtgctgac tttgtgctg gatacccctt cagcctcagg gaggggtgccc 240
acactgctgt ctcccacggc ctgtggctga acatccctga ctatgatgca cccaccacgc 300
tggtcaagcc taaggagagg aacgaaaggt acgttgatgc tgtcatgaca atcctcaagg 360
gaaccttggt ccccatgtgc ggcatgaacc ttgccttcga cagggatctc attggccctg 420
ccatgtac 428

<210> 24386
<211> 425
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-D12

<400> 24386
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gcgcgggggc cctgcacggc gaccaacccc atcgaccagt gctggcggtg ccgccgcgac 120
tgggcccgcg accgcaagcg cctggccagg tgcgccatgg gcttcggcca caggaccacc 180
ggcgggctgg ccggcaagtt ctacgtggtg attgaccca gcgacgacgc cgccgacctc 240
gtcaccccca ggaagggcac gctccggcac gccgtgacct gggcccgggc gctgtggatc 300
accttcgcgc gcgacatggt gatcgagctc tgccaggagc tcacgtgag cagcgacaag 360
accatcgacg ggcgcggagc gcatgtgcac atcgtgggcg cgcagatcac gctgcagaac 420
gtgcg 425

<210> 24387
<211> 395
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-D2

<400> 24387
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ccagttcctg cactcgatcc cacatggggc aaatttccta ctatgctata caatatccca 120
tctgtacctc tcaccatcta ggaccatctc gcacacacct gctgaccct taaatagcta 180

gatttttact gacccatttg atacggccac catgctcctt acactcttct caacttatat 240
gaacctcgat agtctttctt aagttcacca atctccatta aggaccattt atcattgctg 300
ttggaaccaa gcactcacia tgtacatcag tgttttcttt aaccatcgcg ctttgcaagt 360
actcaacttg tacacattct tctaaaacgt ccata 395

<210> 24388

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D3

<400> 24388

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ggaagaccat ggaggagaag ggcgtagagc agcttgagga gcagagggtc atcgaggcgc 120
agatcaggat gcggcggcag gagctacagg acgatgcaga gcggatgaag aacaagcagg 180
ctgcgacgta gtagcatctg cacaagttga ttcttgagc actgacggtg catcaacagt 240
agctgcaagc agtccgcgag gcaacgatgc tctctcgtcc gaagtgcagc gttcggagtt 300
gatgttgagg aattctgaag ccttcaaaca gaggaggggc aataattttg atgtggatct 360
tgaagaagta atgcttatgg aggcaatttg gctctctgta caagatcagg aagctttggg 420
aaat 424

<210> 24389

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D4

<400> 24389

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gatctgggca cccaggcctg ggtcaggctg ctcaacttcc gcgtcgtgga cgactggatg 120
gcgtggcatc tcggtggcca gtcagctgga ttacgatga ctgactcaaa caacatgaca 180
ttcgcgacta tcaagggcgc ctggcataca ggacctgagt acgagccgga gaggtgtttc 240
gccatgttca gccgctggat cctcaaccgg tcaactctaat ccatagtac gtggatccat 300

cagtgaatga agagattcgt gtgtaaatct ttcttcacga aactactggc tatgagacgt 360
acgtggatgg aataaaatgc tggctatgaa cccttgacgc tgatgatata tatata 416

<210> 24390
<211> 265
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D5

<400> 24390

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aaacttagta cgattacatc atgtctaact tatggaacag agataacagg gatactttct 120
tttgctcaaa cacgggaaat accttctaag cgagttacct aatcgccgcg acttcgtcag 180
tcacacacac acacacacac cagataatca caatgcaaga acgaggaaaa tgaaacaaac 240
atatcgctca atgccttgac aaata 265

<210> 24391
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-D6

<400> 24391

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cgttcgatcg atcgctgccg tgtcgtttgc cagacaccat catcacccaa aaccatggcc 120
tgcaacctgt ctcaagtgcg caccgccgcc gcggcaaccg tcgcgccccg caccctcgc 180
cctgctgcgt ccgcgtccgt ctcttctcc gcgaggaagc cgcggggctg cagcctgcgg 240
ctgcagcggc aggcgtgctg caagccgtct gtggcgccgt cgcgggcagt gttcgctgc 300
cgggccgctg cgtctcagag cgcggccgac ctgtctccg gtggcaagaa gtcttacggc 360
gtgccagtga tcgtcatgat gccgtttgac ac 392

<210> 24392
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C2

<400> 24392

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aggagctcg gaactgtcat gcgatcactg ggtcagaacc caaccgaggc tgagctccag 120
gacatgatca acgaggtcga tgcggaccgt aacggcacca tcgacttacc ggagctcctt 180
aaactaatgg cccgcacgat gaaggacacc gactccgagg aggagctcaa cgaggcggtc 240
acggtgttcc acaaggacca gaactgtctt atctctgctg cagacctacg tcacgtgatg 300
accaacctat gcgagaagct gaccgtcgac gaagtctatg agatgatccg cgaggccaac 360
gtccatggct atagccacat caactacgag gagttcgtca aggtcatgat ggccaact 418

<210> 24393

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A6

<400> 24393

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ttttcccatg gaaaactcac gggaaacttt atctagctta gctctagttt ggaaactcaa 180
atcccttctg ggatggaagg ggtttgaggg acaaattagt ttattttcat cttaatccct 240
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ggcaatgaaa gatgatggcc tgtgaactag gtgaagattt actgcattgg tggtgataag 360
tgatagcctg accctgatga gtatagtaat tcgacgatgt aatgtgcata agtaac 416

<210> 24394

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A7

<400> 24394

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gcgtcaggca catgcggcgg cggccggcat gcacgcagtg cactatgtgc cgactcgcgg 180
gtgaggggacg gcgctgctgg cgcggtctct agtggtggcg ctagccatac cttgcggggg 240
caggtagatc cattctacta acaaacaaaa tcataccaca caatttggtt gcgtagagga 300
atcggagcct gtcgcataag acagttcggc ta 332

<210> 24395
<211> 198
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-A8
<400> 24395

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aagatttata ctatatcgaa aaacctaata atccatacaa ataacactta tatctacttc 120
taactttata ttcatacata tatatcattt tttaatatatt atttattata ttatttaatt 180
tactctttaa taattttt 198

<210> 24396
<211> 177
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-A9
<400> 24396

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ttctccaaa tgctgttcta cttccaacaa ggcaacaaca atctgacccg gactacaaac 120
aaaacccaaa taaaaacaca cttaacccaa taatccgatc ccacagaaac ttttctt 177

<210> 24397
<211> 173
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-009-Q1-K1-B1
<400> 24397

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 ggagaggtct atcttccaaa gagccccgga gcactccctc gacttcagat gtctattctc 120
 aaaaccgctc taactacccc agtcagtga ccccttataa tgcgccaac cag 173

<210> 24398
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B10
 <400> 24398

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 cacggtcggg gacggcgccg tcggcaagac ctgcatgctc atctcctaca ccttcaacac 180
 cttccccacc gactatgttc cgacagtgtt tgataacttc agtgccaacg ttgtggttga 240
 tggtaacact gtcaaccttg gcctctggga cactgcaggt caagaggatt acaacagact 300
 gagaccactg agctatcgtg gagctgatgt ttttcttctg gctttctcac tgatcagtaa 360
 ggccagctat gagaatgttt cgaagaaatg gatacctgaa ctgaagcatt atgcacctgg 420
 tgtg 424

<210> 24399
 <211> 177
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B11
 <400> 24399

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 ccctgataaa cagcgcctcac tcctttccgg cagtatcatg atctctgatg aggctgc 177

<210> 24400
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B12

<400> 24400

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ccactccctg ggcgtcatcc accgcgacct caagcccagag aacttcctcc tcctcaacaa 180
ggacgagaaa gcgccgctca aggcactga cttcggcctg tccgtcttct tcaagcaagg 240
ggaggtgttc aaggacatcg tcggcagcgc gtactacatc gcgccggagg tgctcaagag 300
gaactatggc cccgaggcgg acatctggag catcggcgtc atcgtctaca tcctcctctg 360
cggagtcccg cccttctggg ccgaatccga acacggcatc ttcaactcca tcctgagggg 420
acaggg 426

<210> 24401

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B2

<400> 24401

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ggctatatct gacaatgcag ccactatgtt cctgtttata taccagagaa tactgacctg 120
acaagtgtgc tcaattgtct aggtaattac ctatgcctat ctaattcaat ttaagccact 180
gttatacctc tcaacttaaca taacactgct ttcacacttg actttactgg tttaggacta 240
tccggccatg attatgacag cttgaattgg catgagaaag aatacctcaa atgtgcattg 300
tcatgtcttc cggacaataa acacgtttac actat 335

<210> 24402

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B3

<400> 24402

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agagctcgct ctccggagaaa aaaacgcggg aggcgataat ggagggaggt gccggtgcga 120
gcgagaaagg gaaggtgctg gtcacggggg cgtcgggctt cgtcggctcc tggctcgta 180
tgaagctcct ccaggccggc tacaccgtcc gggcgaccgt gcgcgatccc gcgaacgttg 240
ggaagacgaa gccattgatg gaccttcccg gagcaacgga gcgcctgtcc atatggaaag 300
ccgacctgtc ggaggaaggc agcttcacg acgccatcag gggct 345

<210> 24403

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B4

<400> 24403

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ggcgtgtcct catcgccgtc ctccgccgtg tctcgggtctc tctccggcgc gccacggcga 120
ctacggcccc caccgtcgtc gacgaggcgt gcaagcagta caccaagtac ccggagctgt 180
gcgtcaagtc cctgtcgtcc gcggcgccgg aggcgaatgc gaatgctgag cggggcgggc 240
tggcggggct ggccgggctg gcgctggcgc aagcggcgca gtgcggtgcc gagacgggtg 300
cgttcgtcaa gggcctggag aaaatgccgg ggggcatgcc gaccgtgtgc ctgaacgagt 360
gcgtgtccaa gttccagggc gcgctggctg acctgcacg ggccaagggtg gctgtgc 417

<210> 24404

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-B5

<400> 24404

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tgcagggtgct ggccggcgatg gcactagcat ttctggtagg cggcgcctgg tgtggtcctc 120
ccaaggttcc cccgggtaag aacatcacag ccaactatgg tagtgattgg ctagatgcc 180
aggcaacatg gtatggcaag ccaacagggt ccggcccga cgacaatggt ggcggatgtg 240
ggtacaagga cgtgaacaag gccctttca acagcatggg cgcatgtggc aacgtcccca 300

tcttcaagga tgggtctaggt tgtggatcct gcttcgagat caagtgcgac aagccagcgg 360
 agtgctctgg caagcccgtg gtgggtgtaca ttacagacat gaactacgag cccattgcgg 420
 cgtaccac 428

<210> 24405
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B6
 <400> 24405

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 ctttgtcctg cccgtccatt ccgaggactg ctggggcgac acccggtca tctgcaccaa 120
 gacgcacaac tgccgggacg acacttgccg ggggcgcgcc atgccggacg gccgctgcca 180
 ctgggagttc cccaacctgg tgcccttctg ccagtgcctg cgccccaact gccactagtt 240
 cgggcgccctc ggattggctc acttcgccgg cgatgatgga tgggtgccaa ctgcgactgc 300
 ccagtctgct ccattcgttg ttgtttaagg cataatatct aaactgccaa attcacatgt 360
 atcttgggat atttgatata atactatgaa atgactgtga atcgggtgtc 410

<210> 24406
 <211> 403
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-B7
 <400> 24406

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 agcggcggcg gtaacgagaa cgagacgcgc gcgctagctg aatcaggagc agggcccagg 120
 gaggagagtg gagagccgcc ggcgagcagc aatgccttac tgcgaggtag gcaggtacgc 180
 ggacggcgac aagtgggagg gcgtccgcct cttctaccgc cgctacggca gcggcgccac 240
 caaggtgctc ctgcgtcatcg gattggcggg gacgcacgac tcgtggggcc cgagataaa 300
 ggggctgacc gggtcgctgg agccctccga cgacgaggcc ctgcggccgg acgaggaggc 360
 cggcgtcggc gcggcggagg ccgcgccggc ggaagcggac gac 403

<210> 24407
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-B8

 <400> 24407

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 aatgtcttca tttgctcatg tttcacttat tctagctcct gatagaagta aactgtctag 180
 acgacatgga gctacttctg tggggcaggt tacttaccga ttgtttccta tcttaaaact 240
 ctaccaacat atcttgtttt attcaaggca taagaatgaa ccatgatgta tttttcgctg 300
 cacaatataa agaaatgggc tatcagcctc aggcaatgga gatttattta gcactactgg 360
 gctaggggtga tggtactgaa aatgagttct tcactattga tgacctagtt ttgttcttaa 420
 t 421

<210> 24408
 <211> 265
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C1

 <400> 24408

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 ccctaccag ctatgagcat cccgacgacg actcctcctc gcctcatccg acgccataac 120
 acctcttctt gttcgcaccc cttctcacta cgactaccct accaagcgct caacctggtc 180
 gcaacttctc cacactctct cggcgctgct atgaccctgt cttcctgtct gcataacgtg 240
 tgcacaacca ccatctgcta cgtca 265

<210> 24409
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-C10

<400> 24409

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ataaggctgg gacttgcctt taatTTTTca gtgttctatt atgagattct gaactcccca 180

gacaaagctt gcaacctggc aaagcaggcg tttgatgaag ctatctctga gttagacagc 240

cttggtgagg agtcatacaa ggatagcact ctgatcatgc aactcctgag ggataacttg 300

accctttgga catccgacct cacggaggat ggtgctgatg agggcaaaga tgccccgaaa 360

ggcgatgcat gcgatggaca gtaatctttg gaggggggtg c 401

<210> 24410

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-C11

<400> 24410

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ggctcttgca gaagttggac ccaatgttgt ctgggtgatt gctgcacaga gcgtgttcta 120

ccacttatat aaccaggtgt cctacatgtc tctcgatcag atttctccat tgacattcag 180

cattggcaat acaatgaagc gtatatcagt gattgtttca tcaatcatta tcttcacac 240

tctgtccgc gctgtcaatg cactgggagc tgccattgcc atccttggca cattcctgta 300

ctctcaggca aagggtgtgag gcggggccatg atgactaacg tctgcagaat cagtagcaag 360

cactaaatcc aattttgctt gttccagtgg catgtaaata tcgggtt 407

<210> 24411

<211> 445

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-G8

<400> 24411

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agcgacctgt tccacgggag caccatcagg accgtcgagt acgtcttcgg gcagggcaac 300
 ctgacggtgg accacctgag gaacttcgcc gacagcttgg cggcggcgaa ggacatcacg 360
 atcaaccaga tcttactccc ggccgatgtc cagcagaaga tcgacgtcat cgaggagaag 420
 ctcaac 426

<210> 24414
 <211> 306
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-H11
 <400> 24414

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 ggacgtgata ctggacggca ccctgtcgtg ggagccgttc gtgcggcaga ccatcgcat 180
 ggcgcggtcc gtgcaccggc agcgctaccg catgggggtc ggctacaagg tcgcgcccga 240
 cggcacgacc acggagaagt actggtagcc cgtagaggag gactgctagc agcaggcagg 300
 aagggc 306

<210> 24415
 <211> 384
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-H2
 <400> 24415

gattcctgta atggaaacca tgttcgatgc ggattcagaa ccaaaaaatc gtaagcttga 60
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 cgatgattat caagttcctg aagctaatat agaggaagac gtgaacaaat ctcatcatga 180
 tatcaagcgc acagatgagc ctacagaaaa aattgattta tcttgttttt tgagtattct 240
 tcatcgtgat cccgaggaga aaagtcgcaa ttgttgga gtacctgata gcaagatcct 300
 caaagttcgt agcaaaaact tcccacaaga caaatcaaag atacctgcag caagttatct 360
 catggagctt gcagccattg actg 384

<210> 24416
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H3

<400> 24416

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 cttagatfff atggcaggctc catcagacaa caagcaaatt gtaccttatg gcactatgtc 180
 taatgatgaa tcaagtgtta tttttggtgc cttacatagg cttcgctgt cccgctcaga 240
 tatcttaaga tggctgagat caccgatcat gcacactacg ttagatggct tttttgtccg 300
 actgcgatff ggtaaattggg aggaagcatt ggggtggcaca ggataccatg gttgccgcct 360
 gaatggagca cttgat 376

<210> 24417
 <211> 168
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H4

<400> 24417

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 tttgtcttta cttttcttca tacctgtctc tctctctcgg ttgtttaatt tttcttcatg 120
 catgtaatat aatgtgatat acccaatata tacaacgcgc tttaattc 168

<210> 24418
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H5

<400> 24418

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 tcgcaagact aaagaaacca aggttggcat actgcagggtg gcacctgaag ttgctcaatg 120

gcttggaagg gaactaggtt acaagagtta tgacattgaa gataatacta atttgctgta 180
ctggcctctt gtgaatgtct attttgggtgc tgcttatgca aaatggctct tctcttgtga 240
tgacagacaa agaactgaag aatttgttgt tagagcatat aaaggcggca aaaagaaggc 300
tgctcacaaa tcaacttgcc ccattctcca gcgttatctt tatgtgaaag agaactgtt 360
gtctataaga caaccagaaa ttgcatga cctcgctcct gatcaagaaa aactggcaag 420
cgcagaatca cagttgatat attg 444

<210> 24419
<211> 374
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-H6
<400> 24419

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gggcgcggca agggcggcaa gggctctggc aaggcggcg ccaagcgcca ccgcaaggtc 120
ctgcgcgaca atatccaggc catcaccaag ccggcgatcc ggaggctggc taggaggggc 180
ggcgtcaagc gcattctcgg gctcatctac gaggagacc gcggtgtgct caagatcttt 240
ctggagaacg tcattcgtga cgcgctcacc tacaccgagc acgctcggcg caagaccgtc 300
accgccatgg atgtcgtcta cgcgctcaag cgacagggcc gtaccctcta cggcttcggc 360
ggctagggtcg cttt 374

<210> 24420
<211> 362
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-008-Q1-K1-H8
<400> 24420

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attgaagtca ataagattcc ccattctaca attgacgagg taggtttctg gatttaatca 120
aaaccacttt ttgagagaa acatttttgt aggctcatat tgttctcatg ctgcgtaatt 180
tttgggaattg gtccgaagtc caaacataaa caaacctaataaaaagtata tccatgaatt 240

tgaggtattg aataaaataa tacgcttggt cttgcacaag aatgccaata tgtttcttat 300
 cttattgtaa tgaaaagctc ggtttgatat tattgagctg ttcaagtttt ttgaaaggaa 360
 ca 362

<210> 24421
 <211> 254
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-H9
 <400> 24421

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 attcttttct tatcattaac cattatataa tgtatttaca cccaaattca actcattact 180
 caataaagta tcttatcatc caataataac tataccacac attgaatata atcatgtcac 240
 tgctgctaca attc 254

<210> 24422
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-009-Q1-K1-A11
 <400> 24422

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 gagccgcgtg ctggggctgc tccgcgacga cggcgtgctg acggtgaagg gccacgtgca 120
 gaagccggtg ctcaaggagc ggttcaagca gttcaacgcc gccatggacg agatccaccg 180
 gacgcagggc gcatgggtcg tcagcgacga gcagctgcag tcggagctgc gcgtctccat 240
 cgccgccgtc gtcgtgccgg cctaccgctc ctctctcggc cgcttcgcgc agcacttcag 300
 cgccgggaga cagacggaga agtacgtcaa gtcagcgtc gaggacgtgg agaccatcat 360
 cgacgagctc ttcgacggca acgccacg 388

<210> 24423
 <211> 390

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A2

 <400> 24423

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 ggggtgctgc ccgtgcggat ctacatcttc gacgtggccg gctgcggcgt ggaatacgac 120
 gtggaggagc aatgcagcgg cggcgcgggc ggcgagtgcg tgcacgttaa gacggccact 180
 caagcgctgc cactgggcgg cgacttggtg ttcggcgtgg cgcaccagca cgcgggcagc 240
 gccagcgcgt cgctgcacag cgacaacagc cgcctgctgt gctagtccgc ggccacatac 300
 gggggcggtc aataggccat ggacaaagct gtctacatcg tcagcatgtc cacgtgctac 360
 ccgcgctccc acgccatcac agtgctcgac 390

<210> 24424
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A3

 <400> 24424

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 gctcttctgc atcgtgcatg tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgtcc 120
 gggcctgggtg gggttcttcga catcaccaag ttgggcgcct ccggcaatgg caagacagac 180
 agcacgaagg ctgtgcagga ggcattgggca tcggcgtgcg gcggcactgg gaagcagaca 240
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 ggcgacgtga ccatccaggt ggatggcaat ctgctggcga ccacggacct aagccagtac 360
 aaggaacatg ggaattggat cgagattcta cgcgtggata acctgggtcat caccggcaag 420
 ggaaaccttg a 431

<210> 24425
 <211> 385
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-009-Q1-K1-A4

<400> 24425

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ataaggctgg gacttgctct taatctttca gagctctatt atgagactct gaactcccca 180

gacaaagctt gcaacctggc aaagcaggcg tttgatgaag ctatctctga gttacacagc 240

cctggagagg agtcatacaa ggatagcact ctgatcatgc aactactgag ggataacttg 300

accctttgga catccgacct cacggaggat agtgctgac agggcaaaga tgccccgaaa 360

ggcgaatgcat gctacggaca gttat 385

<210> 24426

<211> 283

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F11

<400> 24426

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tatcggtaaa cagatgtgtc cggacattca aactccgtac cttacaattt cttgcgctcg 120

gatcggctcc ttaagtccgg accttatcac caaaaggagg accggtgccc catttccaac 180

ctacagaatg tggtaaatca ccttgaactt acatgtattt cacttgcgcc ccaatgctag 240

tacttatcct acacctgtca tgtcatttca caaacattga cta 283

<210> 24427

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F2

<400> 24427

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gggtcgagcc cggcgacggc gccggggaca acggcggcgc tggcacgagc ggcgcgtgca 120

gggcggccag cggccgggtc ttgggggtgg tggctgctgc tgcggctctg gccgttttgg 180

ttgctgcctg acttgagtag cgatggtttg aaggcattcg tcatttggaa cgactgttct 240

gcttatgtat gtgtctgtat ttaaattcat catttaatgg tgatttttgt tcgatgctta 300
 ggctatcgaa ccctaaattt ctactctaaa aggaatatatt catcttggtc 350

<210> 24428
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F3

<400> 24428

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 agctccgcca tcgcgccctg cctctcctac gcccgcgcca cgggggtccgg cccctccgcg 180
 tcctgctgta gcggcgctcag gaacctcaag agcgccgcca gcaccgccgc cgacaggcgc 240
 gccgcctgca actgcctcaa gaacgccgcc aggggcgctca gcggcctcaa cgccggcaac 300
 gccggcagca tccccttcaa gtgcggcgctc agcattccct acaccatcag caccttcacc 360
 gac 363

<210> 24429
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F5

<400> 24429

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 ggtacaattc atccgatgtt ttacagcttt aaaaacaaaa taaaataaaa acaaataaaa 120
 taaaaaaaaa aaacaataac tataatacaa acgaagaaca aaataacaaa acaatacaaa 180
 tactgctgta acggagataa ggaacctaaa gagcgccgtc agcaccgtcg ccgacaggcg 240
 caccgcctgc aactggctca agaacgccga cagaggcgctc aacggctctta acgcctgtaa 300

<210> 24430
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F6

<400> 24430

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cgctctccgt cctgatgttc agggaggcgc ccgcgttccg gaacggcccc gactgcggcg 180
cggacggccg ggtggacatc gccatgacgc tggacgcaa ctacctccgc ggcacatgg 240
ccgcggtgct gtccatcctg cagcacacgg cgtgccccga gagcgtagcg ttccacttcc 300
tcaccgccga cgccgacgcc gacggccacg gcctctccgc cgcgctgcgc gcctcgtttc 360
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<210> 24431

<211> 346

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F7

<400> 24431

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aggggtgctgc tggcatcggg ggccacgacc tcggacgccg gcatcacctg cagtcagggtg 120
agcttcgcca tcgcgcactg cctctcctac gcccgcgga cagagtccgg ccctgcgaa 180
tactgctgta gcggcgctcag gaacctcatg agcgccgaca gcaccgtcgc cgactggcgc 240
accgcctgca actgcctcaa gaacgcctc aggggcctaa gcggcctcaa cgacggcaac 300
ggcggcagca ttccgttcaa gtgcatgttc agcatcccct tcacca 346

<210> 24432

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F8

<400> 24432

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gcatgaggat tgtggcgctg gccctggtgg ccctgctggt ggtggcgggcg gcggcgcccc 180
 tggccaccgc gtacggctgc tacgacgact gctacgagcg ctgcgccaac ggcaagaaag 240
 accccgcctg caccaagatg tgcaaccagg cgtgcggtc cacggatcag ggcgccggtg 300
 ccgccggcgc cgcgccggct tgatcgccca gcgcattcat cgcttcagct cgatataatc 360
 gctgctccgt cagcaaccca catatgattc gatcaatatt cctcctctaa tttctcgacc 420
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<210> 24433

<211> 75

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G1

<400> 24433

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gaacaaaaaa caaaa 75

<210> 24434

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G10

<400> 24434

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ggccaccgag agtcactgga agaagctcgt ccggcgcccc gcgacgagac gacggcctcc 120

tactccgctc cgctgaagaa cgacctcccc gctgacagcg ttggcgggcc ttgtagcgag 180

gaggggggtgc ggatgcgccg cgactgttcg cgggatgagc ttatgcggca gcagctccct 240

cgcacaggt gcgaagaggc cgttcgagta cgggagaacg catgttgtga ggcccaaggg 300

ctcgacaag gccaccattg tctggctcca tggacttggg gacaatggag ccagctggtc 360

tcaactactg gaaactactt acccttctaa tattaatgg at 402

<210> 24435

<211> 361

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G11

 <400> 24435

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 gagatggctg atatgacaac ttactatcaa tgtgctgtta ttgatgaaat tcacatgggt 120
 ggctgctaata gacgggggtta ttcgctcaca catgcacttg tgggacttcg ttcatatgaa 180
 cttcatgact gaggtgacca cacctgatcg acctcttatt cagcaaattc tcgaagctac 240
 tgggtgatgta gataccgatc aatattatga gagactatct actgtggatc ctctgaacat 300
 ctactaggg tgtttctgta acatcacagc atgagattgc ttattatgat tctcaatacg 360
 t 361

<210> 24436
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G12

 <400> 24436

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 cgcgctcgcca ggcccgttc gcgtgacgac ccggcatata gggtttcgcc ggcgccggcg 120
 atggacccac cctccgtgag ccccgatcgc tgggggcccc gtcagggcgc tggcgctcggg 180
 ccctccggcc tccgccgata tggcctcaat ttctccgctt ccagcctcct ccaggcccc 240
 atcgcgcccc tccttgagta ctccggcgta gtccagtcgc gccctgcctt ggcggcgcac 300
 caccggtccg cggggcccta gtcgccgttg tcggcgctcg aggtcgatgg tcttctctcc 360
 g 361

<210> 24437
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-G2

 <400> 24437

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 gcgccgaagt ggccaacctg acgtcccggg gcaagggact gaaggaggag ggtgtagccg 120
 accgcaagga ggcctgtcga ctgagggctg aggtccttgg tctgaaggca gaggcagacc 180
 accgtgagga ggtgctacgg tgggcgcagg agggcctcca agcggtgacg gaggaacgta 240
 actccctcgc caagtccctg gaggacgact ggtcctcggg tcaagccctg gccgccccaa 300
 tagaaggtct tgagaagagt ctggagggca tggcttggac cgtggagcaa catggggccg 360
 aagcgtgggc aaacctcttt caagacctcg atgtgggggg ca 402

<210> 24438
 <211> 331
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G3

<400> 24438

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 ggcagagccc ccgagccgag cagttggttt ggtggcgcgc ctttactgcc gctgccgctc 120
 actttcccag ggaggggtta attgcctccg cgggcctcgc tctcgcgtcg cgtccttcgg 180
 atgccgcact gaccgccacc aagtcacgca gctcagccgc gcggcgcgat gggcgagagg 240
 aggagggctg cgagcactgc ttccctcggg ggtggaggtg gaggcggagc tggaggtagc 300
 ggtgttgccg ccgcgcggaa cgaggaggac a 331

<210> 24439
 <211> 118
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-G4

<400> 24439

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 aatactctcc tttactgccg ctgccgtca ctttcccatg gaagagttaa ttgcctcc 118

<210> 24440
 <211> 351

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-G5
 <400> 24440
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 agcgacgccg cggcctcgat cagagtcgga ggcgaacacc ctcatggcgg cggttggcgg 120
 cggcgcaaga gggaaggtat ccttcaagat catcctcacc tgcgaccca agtcccttt 180
 caaagtgttc agcgtgcccg agggggcgcc ctttaccgcy gtgctcaagt acgccgcgga 240
 ggagttcaag gtcccgtccc ataccagctc catcatcacc aacgattgaa ttggcatcaa 300
 cccccagcaa agtgcattgca acgtgtttct gaaacatgga tcggagctgc g 351

<210> 24441
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-F10
 <400> 24441
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 gttcgggatg agtgctttca gccacacatt gacgatagaa gtggaattaa tgattcacia 120
 tgttgcatat aattgtggtt ctgatttcag tcgttttagac ttcagtgggt tctatgcatt 180
 taticctggaa cgggggtgatg aagtaatagc tgcagcatct gtaaggattc atggaactga 240
 tttagcagaa atgccattca taggcacaag atgcatgtat aggcaccaag ggatgtgtcg 300
 tcgactactg aatggaattg aatcggccct cggttcctc agtgttcaga aactagtagt 360
 atctgctgtg actgaaatgg agaatacttg gacaacttgt tttggtttta 410

<210> 24442
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-D3
 <400> 24442
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caagggtatg ttgtttaccg tgtccgtgtc aagcgtggcg gcaggaagag gcctgtgcct 300
aagggtattg gctatggcaa gcccaagcac c 331

<210> 24445
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D6

<400> 24445

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taaggaggta ccaacaagct ttggatttga tactgcttgc aagatatact ccgaaatgat 120
tggcaatggt atgactgatg caagatccac aggaaaatac taccactttg tgaggcttat 180
gggtcgtgct gcttctcaca ttacattgga atgcgctttg caaacacacc ccaatgctgc 240
actcattggg gaagagggtg ctgcgaagaa agaaaccctt aagaatgtca caaactacat 300
tactgatatc atctgcaagc gtgcagatct tggttacaac tatggtgtta tccttatacc 360
agaaagcctg attgatttca taccagaagt tcaaaaactc atcgcggaat tgaatgaaat 420
ttagcacat gatgttggtg 440

<210> 24446
<211> 340
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D7

<400> 24446

cccacgcgtc cgcccacgcg tccgcccacg cgcccgcca cgcgccggc atacagcaga 60
gctatcatgc agatcaccat caattagggtg gggtagggtt aagatgcgat cctcaaagcg 120
ttgcaagtac agtgagccag ctggagggtt gtggctctt tcaaataacg ttgctttgca 180
ggatatcgag ggatcgagca gtcagcacat acctcatgaa tatggcgatg gcatccagcc 240
aagtgttggt caaacgtac aataagtga acatggaaca attctagata acattccgga 300
aaacaacagt actgatgaac acactagaga aaattctggg 340

<210> 24447
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D8

<400> 24447

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ggcgagatgg tcctcgtgta cgactacatg gcgcacggca cgctgcggga gcacctgtac 120
aagagcggga agccggcgct gacgtggcgg cagcgccttg agatcaccat cggcgccgcg 180
cggggcctgc actacctgca caccggcgcc aagtacacca ttattcaccg ggacgtgaag 240
acgaccaaga tactggtgga cgagaactga gtggctaagg tttgcgactt tgacttgtcc 300
aagaccg 307

<210> 24448
<211> 308
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E1

<400> 24448

ggagaagatg acccagatca tgttcgagac cttcaacacc cccgctatgt acgtcgccgg 60
gcaggccgtg ctctctctgt atgccagtgg ccgtaccaca ggtatcgtgc tcgactcggg 120
agatggtgtg agccacaccg tccccatcta cgagggatac gccctcccc acgccatcct 180
tcgtcttgac ctggccggtc gcgacctcac cgactacctg atgaagatcc tgactgagcg 240
cggctactgc ttcaccacca ccgctgaacg ggaaatcgtg agggacatta aggagaatct 300
cgcctaca 308

<210> 24449
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E10

<400> 24449

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tgcataatggtt ggcaccacaa catctcgggg tggccttggt tatggggaga ctgatgcttt 120
 ggaggcattg gtggttgagg cagccaagag gattgatcga catttgagga atctgtttga 180
 atgccttcgc caatcctgat tttatttgac tcttggtca cgtgtcactg tgccagcgcg 240
 atcaatatta gtagttcctc ttcattctcg gcaaatggat gcttctgttt ggggtgatga 300
 tgctgacat tataatcctc atcggttcct taaaaggac attgatcttg gagaaatatt 360
 aggagcacct aaaggatcaa ctacgataaa tattttcagt ggggtgtacca agggcgaatc 420
 a 421

<210> 24450
 <211> 382
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-E11

 <400> 24450

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 agctgaagaa cgaccgcgc acgtcgggcg cgctccacga ctgcaaggag atgctggggt 120
 acgccatcga cgagctcaag tcgtccttcg acaagctggg cggcttcgag atgaccaact 180
 tcaacaaggc cgtggacgac ctcaagacgt ggctcagcgc cgcgctcacg taccaggaca 240
 cctgcctgga cggcttcgcg aacgccacca ccaccgaggc ctccgccaag atgcagaagg 300
 cgctcaacgc gtcgcaggag ctgacggagg acatcctggc gggggtggac cagttctncg 360
 acacgctggg agggctcagc at 382

<210> 24451
 <211> 392
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-E12

 <400> 24451

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 ccgctggggc ttcttccacg tggtaacaa cgactacacg cactggctca tgtacgcat 120

cggcggcagc aaggccccc ccatcatcag ccagggcaac cgctacatcg cgccgcccac 180
 ccttgccgcy aagcaggta ccaagcagca tgacacgccg gagtccgtgt ggaagaactg 240
 ggtgtggcac tccgagaacg acctcttcat ggagggcgcc tacttcaccg tcaccggcgg 300
 ccagatcaac agacagtta acaagaagga cctcatcaag cccaggaacg ggtcctacgt 360
 caccaggctc acgcgctacg ccggcttcct cg 392

<210> 24452

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E2

<400> 24452

gaggattgct accatcctat atcatatcat acatatacac aaggaggagg agaaggtgtg 60
 tagcgagggt gaggtccgga ggatgccttc cagtgccatg agttccgggc tggagccggt 120
 gctctgcgcy cctcgccgc gcagggcca gcagctgcac ccctgcagcy ccgacctcat 180
 ccttgccgca ccgcccttc cgcgcaacgc caacagcaag gccagcggca gcagcagcag 240
 ggaaggaggc aggaagacga ccaggccggc ggcgaggagc gaggacgagg acgaggactg 300
 ccgctgggcy gcgttcggcy ggtcgccgcc ggcgcgcygc gacaacct 348

<210> 24453

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-E4

<400> 24453

cccacgcgct cgggggggaca ggaaatcagc ggccatggcc tcgattccgg cgacgaccgg 60
 cgccgtcatc ttatccgtcc tcttctgtgc cgcggctggc accgccgtcg acaacgacct 120
 ccccgactac gtcattcagg gccgcgtcta ctgcgacacc tgccgcgccg ggttcgtgac 180
 caatgtcacc gagtacatcg cgggcgccc ggtgaggctg gagtgcgaagc acttcggcac 240
 cggcaagctc gagcgctcca tcgacggggt gaccgacgcy aacggcacgt acacgatcga 300
 gctcaaggac agccacgagg aggacatctg cgagggtggtc ttggtggaga gcccgcgcaa 360

396

<400> 24454

gatacacgcc ggcgcgttca gctacgactt ccaccggggtc ggagtcattct tacggccctc 240

<400> 24455

gctcccggaa cttatcgaca aggcggggta cttgccctgg aac 403

<400> 24456

tgagaaatgc cgtcctctac accaccatca gtacaaccca ctccaagcct tcagacattg 60
 gcatgtcctg cagtagccca gaatactcat attgatgtta gtgagatcaa gtccaagatt 120
 ttttaagagga taggacatga acgaggaaat aaatactttc agcacctgga aaggttctta 180
 tcttcaagat tgagcaagaa tgaattcgag aagctctgtc ttgtggcact tggccgtgaa 240
 aacctcccat tgcacaacca ccttatctgt tccattctac ataatgccag tcgagcttgt 300
 ggcccacctg taattaatga ccctaagctg gtcagagggtg ccaccacttc tggccatgca 360
 gttgttcctc ctgtctggga caatggtggt gccttgaacc t 401

<210> 24457
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-F1
 <400> 24457

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 tgtggggccac cttgagaact gattggaaca aagaggtaga ggaagcacag aaaaggctac 120
 acaaattggga ggatcagaag acgacgacga caacgacgga gcccctcctt gcgggggtcg 180
 tcggcaatgg caatgccaat tagtttactg gatggacatc attctcccag acggcttcac 240
 cagcgtcacc gtcaggatat ggaccctgca aagtgtttct ccggagtgtt taagtgttct 300
 ttcccgtatc aaaatttgcg aaacagagaa ggaagggttt tttttttgaa aacagaactg 360
 acgtctatct tttgagtgtg agaaattcga gcatacatgt ggattttttt taaaaaaaaa 420
 aaaata 426

<210> 24458
 <211> 156
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-D2
 <400> 24458

ctgacgcgtg ggaaaaaaaa aaaaaaatta aattaaaaaa aaaaaaaaaa aacaaacacg 60
 ctaggggtatc caagcatcac atacacattc aaacaacatc ataattcata ttttgcttct 120

acctaaattc actacactgt ccttcattct acatcc

156

<210> 24459

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B6

<400> 24459

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tatctgatgc tcaaagtaga tgctccgtgt gtcttccgct gctgttccgc aaggaaactg 120

actccccga ccgtcgtcgt gatgctgccc gctcatgctc ctagacggga atgactgccg 180

cagaatgacg aatagggctg gtgtgtgtta cagtatggtc cttttccct cttttccatt 240

aagctctgtg atgtagctgt ccgtgctgtt gattcatgag atcatgctag agatttttcc 300

tggcagtgcg tgtaaaactg tcgaactatt tgaacgaaag ttgtacactg caatatgtaa 360

caatctcct 369

<210> 24460

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B7

<400> 24460

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cagaagttct acaacgtgtt gattgaggag ctgcctgcc aacgtcgtga ctttctgtga 120

tcattttgaa gaaaaacaga actaaaagaa cgggtgggtgg ggtgatctgg taaggcttgg 180

ttttgccgaa atattgtggg ggaggagtga taaggtcggt ggggtttcta tgttaaagtc 240

gtggtctcgg gcaatatgcg atttttcttt atgccatgtt ttgggaaatt ttgtagctgc 300

ctaggcctcg tgctgttgtg gtggttcatt agtatgaaga cgaaagctct gctggctatg 360

ggagtccttt ttctttttga tagtatattt tttaaaacta tgtatgaccg aattatttgt 420

catccttgac tcaattctgc tgc 443

<210> 24461

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B8

 <400> 24461

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 gtgcgtggcc gctccgttaa acaccacca tccttcgttc ggcatttttt ccccttggtt 120
 tatataatTTt tattgtatcg ttttggcaaa taattttgtg attcgacccc aaagcaagtt 180
 tggttgtctt acgatttgta aacctggaac aatatataat gtgattgaac tgctttgtct 240

<210> 24462
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-B9

 <400> 24462

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 aagggatatt cctggtcattg tcaagcaaatt cgctccaaag ttccaggacg gaattagggc 120
 gttggcagac agcccaatca tcggggagat acgtggctta gggatgatta tgggaaccga 180
 attcaccaac aacaaatcac cgactgatct attccctgcc gaatgggggg ttggtgccat 240
 ctttggagag gagtgccaga agcgcgggcat gctggtcagg gttgctggcg acgccatcat 300
 gatgtcggcc atgctgatca tgacgccccg gcgaggtcga cgagctggtg agcatctacg 360
 gggaagccct canggccacg gangagaggg tgtcagacct gaagatgaaa tccgagaaga 420
 actaaccaaa ag 432

<210> 24463
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-C1

 <400> 24463

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ggttggttgg tggggacttg gaggttatag aaccaatcaa gtacaatgat ggtctagatc 120
 agtatcgctt gtctccagca cagctgcgtg aagagtttgc caggcgcaat gctgatgcag 180
 tatttgcctt tcagcttcgc aatcctgtac acaatgggca tgctcttctt atgaccgaca 240
 cacgcaaacg tctccttgag atgggttata aaaaccctgt tcttctgctc catccactgg 300
 gaggattcac aaaagcagat gatgtgcctc ttagttggag aatgaagcaa catgagaagg 360
 ttcttgagga aagtgtcctt aaccagaat caactggttg tgccaacttt tc 412

<210> 24464

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-C10

<400> 24464

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 gagctgtccg acggaggggc tctcggctcg ccgcggcgac gcgccttctc cgctccaggt 120
 attggacgta tggagataaa tgggggaaat ggagtgggt caatccaaga ggggcagcaa 180
 tggcatttat gtaaccatgg aatcgagatt gggcgtccat caccaggagg ggatgaacct 240
 ggtaccatcc ccagagatgt gagagtggag aatgggcatg gagttgttgg aagaagagac 300
 gngngtcttg catccagcta ttgggacctg ttgagagcac acctctctga tcctttaaca 360
 ggtgttctca tggatgatgg cattgattta tcatgtggcc attcatatgg aagtagtgga 420
 atgc 424

<210> 24465

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C11

<400> 24465

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 atcataactc tcacgcagat gctggagttc cattggagaa cattctttat cttggtggac 120

ctaattattgc ttctgaaatt tacaacaaag aatatgcaaa tgcacgtatt tgtggagctg 180
 acaaatggag aaaaaccctt gcaaaatddd tgaggcggcc tcattttatt gtgtgggata 240
 acagtgatct catcactcat gaagtcattg gcggcttaaa aatgcctat gctgggtgctg 300
 gtatgggttag ctgcattaac caacgagagt gcaaccagca aatccgttta ctttgcactt 360
 tgcacatctg agttgatcta catcacacac cttttggaag aagagcctga gaaacttggt 420
 ggtagagatg gcaatgggta 440

<210> 24466
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C2

<400> 24466
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 cggcgccaac tacctggcgc tgctgggtcaa gtacgtcgat ggcgacggtg acattgtggc 120
 agtggacgtc aaggagaagg gctctgacac gtacgagccc ctgaagcact cctggggcgc 180
 catctggagg aaggacagcg acaaaccgct taagggaccc ctcaccgtcc gcctcactac 240
 cgagggaggc accaagtccg tctacgacga tgatcatcct gccaaactga aggccaacac 300
 cgtctacacc ggcaaataat taactttagt gctgacaata ctttaagccg ggctatgcta 360
 gctatactag aattgtgtgg atcccaagca atgcattaca catgcattca t 411

<210> 24467
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C3

<400> 24467
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 agaaaattgg aatgttcggt gtatatgatg gtcattgagg agtccgagca gctgagtatg 120
 ttaagcagca ctttttcagc aatttaatca aacacccaaa gttcatcact gataccaagg 180
 ctgctatcgc cgaaacttac aacctcacag attcagaatt tctgaaagct gatagctgtc 240

aaactcgaga tgctgggtca actgcctcaa cagctattat tgtaggtgac cgtttgcttg 300
 ttgcaaagtgt tggagattct agagccgtta tttctaaagg aagacaagcg attgcggttt 360
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<210> 24468

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C4

<400> 24468

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 cgaacgccag gttccttgga ccactatata caggagcgac gaagtgatcc acccgccagc 120
 catggagatg aagaagggtc tctgcgccgc cctcgtcgcc gccgcctcgg ccaccgccgt 180
 gctggcctcg gtcgcctcgg aggcgccttc cgaggcgccc gccggcgcgg ccggtggtgc 240
 ggctggccct agcgcaagcg gcgcgcgccg cgctcgctgt cccgccgtcg gggcgctcgt 300
 cgccttcttc ctcggtact accttcactg agcgacgacg cgcggggcg 349

<210> 24469

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C5

<400> 24469

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 ccccgcgccc ggccgcggcc atgctgggct cgcctactgc gagagcggcg tgccccggga 120
 ccaggccagg ttcgccgtcg tcttctccca cggattcacc ggcttccgcg aggacagcgt 180
 ccgcgcctcc caggaagttg cggaggagct gggcggttac atggtgggtt tcgaccgcgc 240
 cgggtacggg cagagcgacc ctaaccccaa ccggtccgtc aagagcgcgg cgctggacgt 300
 ggaggagctc gcggacgcgc tggggctcgt gcccgagttc tacgtcatcg gcatcttcct 360
 cggctgccat gccgtctggg gcgcccctaa atacattccc gacaggatcg gc 412

<210> 24470

<211> 67
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C7

<400> 24470

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tgtgatc 67

<210> 24471
<211> 344
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C8

<400> 24471

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agcatggctg ccgtcgtcct ggctgccatc gccacagtag cgctcgcgga ggaagccgat 120
ccgcggggcac tgccggcaca gtggaccacc gcgaagaagt acaaggccac gatggacgcc 180
aagacgcggc aggccttcga cggcgtggtg gccgccgcta cggcagagaa gcggtcccag 240
gcggtggagg ccgtgctgca gcagcagctg aacatggacg tgctcctgtc caaggcgacg 300
tctttcgggg acgagaacaa ctacgtgagc gtgggcgtcg gcta 344

<210> 24472
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C9

<400> 24472

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gtaggtgcag gtgcaggtgc aagcgtcga ggcggagctc cggcgagccg gccaggagaa 120
cagactcctc atcgacatgc tccgagcggg ggtggccaag tacgcggagc tgcagggcca 180
ggtaacggc atggcggcgc cgggtgtccac ggccggcaac atcgccgacg ccgcccacgc 240
ctaccgccag ttctccgctg cgatcgacga cagcggctgc gcgtacggct cgtcgtacat 300

gaagcggacg atccggaacg actgcctcaa caccgagccc tagcatcaca accgcaagcc 360
ggcgacgtcg tacg 374

<210> 24473
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D11

<400> 24473

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acaccttcgc cggcgagagc atggcgatgg cgtaccgtgt cctggaggtc accctggtgt 120
cggcaaata ga cctcaagaaa gtgtcgctct tctcccgga ctcgcatctac gccgtggctt 180
ccatctccgg attcgacctc cgcacccctt cccacagcac ccaagcagac cacagcaacg 240
gctgcaaccc ctgctggaac gccgtggtac acttccccat cccggctgcc gctgacaccc 300
gcggcctcgc actccacgtg aggtcccgcg cccagcgtct atacctgggc gatcgcgaca 360
tcggcgaagt gtttgtgccc atcgacg 387

<210> 24474
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-D12

<400> 24474

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cctgtgcgcc gccaccctt cactggggcc tcgcacagcg gtccacatca tcgagtcgag 120
cgccccagca aggaagatgc agtcatttac ttgtttcagg accctttaac taactacact 180
gaggacaggc gcatgggtcac gcgctctact cccgtaaggc atggattaca cattcaacta 240
ttcggcgaca ctaccaatgg ctgcaactca accgagcctc cattttaacc ctcataataa 300
accccatgga gctacatttg acgacgaacg acatttgagc gacctgcgaa acatagtacc 360
caatgaacat tgatatgcag aagtgttcat aagagactta caaatttcat tgagtgggcc 420
tcaatccata c 431

<210> 24475
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B5

<400> 24475

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 ccaagaggct gacctacgac gagatccaga gcaaaacgta catggagggtg aagggcacgc 120
 gcacggcgaa ccagtgcccg accatcgacg gcggcgtgga gtcgttcccc ttcaaggccg 180
 gcaagtacca gatgaagaag ctgtgcctgg agccgacgtc cttcaccgtc aaggcggagg 240
 gcatcgccaa gaacgccccg cccgagttcc agaagaccaa gctcatgacc cgcctcacgt 300
 acacgctgga cgagatcgag ggcccgtctg aggtcggctc cgacggcacg ctcaagttcg 360
 aggagaagga ctgcatcgac tacgccgtcg tcaccgtgca gcttccgggg gg 412

<210> 24476
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H9

<400> 24476

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 gacatgcaca cagaatcaaa ccaacaatca aaccttttat ttgttccatc atatatctac 120
 aggaggaatt taattagtagt gtaattaatc cccctatgat acaataataa taataatgaa 180
 tacaacacat gcaatggagc aagtggacga cgggcagcat acgcaggaag gcgtgtcgac 240
 ggagcgcgcg ttcgaggcag acccgatccc atccttgtcg gagacgatca cggcacgggc 300
 gatagc 306

<210> 24477
 <211> 442
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A1

<400> 24477

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cgtgctggag gccgcccctc cgcgaccgc catggactgc aaggccgggt gtgacgaggt 120

cacgggcccc ctccacatga gcatggagga ctgcatgaag aggtgcaagg agatcgctgc 180

taagcagggg cctagggacc cttacaagga taacaaactt gacatcccat gaactaatta 240

atgtccttat atcatctgcc tatccatgca tgcattgcat tgcgtatgca cactgtgcgt 300

gcctgccac aaagttcgac aacacaccga tctcgacgga tttgtaatcg tgtccactcg 360

atcgagagat cgatcgatgc ttgttattat atttggattc cacattatat atgagaaaat 420

ccaattaaaa ttaatttatt tc 442

<210> 24478

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A10

<400> 24478

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ttcgacgccg gcggcatcca cttcgtcatg cttgcgtcct acgccgacta cagcagatca 120

ggtgcgcagt acaagtggct ggaggcggac ctggagaagg tggacaggtc ggtgacgcca 180

tggctgatcg cgggctggca cgcgccctgg tacaccacct acaaggctca ctacagggaa 240

gccgagtgca tgagggtgga gatggaggag ctctctacg cctacggtgt cgacgtcgtc 300

ttcaccggcc acgtgcacgc gtacgagcgg tcgaaccggg tgttcaacta cacgctggac 360

gcgtgcggcc ccgtgcacat ctcggtgggc g 391

<210> 24479

<211> 420

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-A11

<400> 24479

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gatcatgggc ctgtcgtccc tctcctcgt cgtggccgcc ctctcggcgc gcgccgcggc 120
 gcagcaggtg ccgccggtgg gcggcagcgc tctgaagccg gactactaca gccagtcgtg 180
 cccgcgcgcg gagcggatca tcgcggaggt gatgcagacg aagcagatgg cgaacccgac 240
 gacggccgcg ggcattgtgc gcgtcttctt ccacgactgc ttcgtcaccg ggtgcgacgc 300
 gtcggtgctg atcgcgtcca ccagttcca gaagtcggag cagcagcgg agatcaacca 360
 ctgcctcccc ggngacgcct tcgacgccgt ggtgcgcgcc aagctggccc tggagctgga 420

<210> 24480
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-A3
 <400> 24480

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 cggctcgttc ctgcgcgtgc gtcgcctctc cggtgccgcc atccaccacc atcgtcacca 120
 ctcttccccg gctgaggtcg tgggcgtgtc cactgcgtgg ctcggttaagg ggctttcatg 180
 cgtctgcgcg cagaggaggg agagcgacgt gcgcctgtcc ttcgatttga gtccattca 240
 ggaagagtgc ttgaataggt tgcagaaccg gatagaggtg cagtatgatg gttcaaattct 300
 ggagcatcag aaagcactgg aagccctttg gcgttcttct tttctggaa ctgaacttct 360
 agggtttagta tcagaccagt ggaaggagat gggatggcaa gggaaagatc catcta 416

<210> 24481
 <211> 361
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-A4
 <400> 24481

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 ttcttgccct tcaaccctgt tgataagagg actgctctga cgtacattga tgccgatggc 120
 aactggcacc gtgtcagcaa ggggtgtcct gaacagattc ttgacctgtg ccactgcaag 180
 gaggatctga ggcggaaggt gcactctatt atcgacaagt atgccgagcg tggctctcgt 240

tcgcttgctg ttgccagaca ggaagtacct gagaaaaaca aggagtcccc tggaggacca 300
 tggcagttcg ttggtctggt gccctgtgt gatccgccta agcatgacag cgctgagaca 360
 a 361

<210> 24482
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-A5
 <400> 24482

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 ccggtcgtcg atcgaggaac caagctgctg ctgctgctac cggacgacac caaccatgat 120
 acggaggacg acggtgtgcc taggcctgct gcttctacta ctggcggcgt caactgcgac 180
 ggcacatttc tcgatcggcg acgtggacga gtacttgaac aggcgcacgc aggagtcccg 240
 ccacaggaac cacggcggcg cgcagatcaa tgacctcatc tacagtgtg cgcgcttcca 300
 cgccaacgtg gatgcacgca cgtatggctg tcgttccaac ctgcatgtgc atgaagagga 360
 agc 363

<210> 24483
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-A6
 <400> 24483

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 catactcatt nggatcannn gtgcagagca gagccaanat gctcctaaag tgatgtngnn 120
 attcctaact ctgcaatnng ggaggaactn nngtggagat acctatggcc annggtccnn 180
 aatgaactaa gatgtcatgc cctnctcttg gtggacctgg agaactctga ctagcactag 240
 ttatcagagt attcgggtgac tccactcatc ctacgcgttc ttgctgaggg actattgcnn 300
 atttgctcgt ggcgcgccct tcttcnntcc gtgggcccgt 340

<210> 24484
 <211> 413
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-008-Q1-K1-A7

<400> 24484

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 cgtactccac gttcctgaag ctctgcagg acaccaaggt cgcgggcgag gcgaatcagc 180
 tccggtcggc gacgctactg gtcgtccccg acaaacttgc caagcctctg gcgtcgctgc 240
 ccgccgataa ggtgcgggcg gcggtggaga accacgtcct tctcagttac ttcgacccca 300
 tcaagctgga cgagatgaag acacgcaccg tcatectncc cacgctgctc tccgtcaccg 360
 acaagaaact cggcgtcctc aactacacca gggccgacga cgggcagatg tac 413

<210> 24485
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-A9

<400> 24485

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 gggcgggtaca aggacgagaa ggacgtcacg gatatcaacg tcaaggactg cacgcttaag 120
 aagacggcca acggcgtccg catcaaggcg tatgaggacg ccgcctccgt gtcaccgcc 180
 tccaagatcc actatgagaa tatcaagatg gaggactcgg gctaccccat catcatcgac 240
 atgaagtact gcccacaaca gttatgcacc gccaatggtg cctccaaggt caccgtcaag 300
 gacgtcacct tcaagaacat caccggcacc tcctccaccc cggaggccgt caacctgctc 360
 tgctctgcca agatcccatg caccggcgtc accatggacg acgtcaacat caagtacagt 420
 ggcaccaaca aca 433

<210> 24486
 <211> 383

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B1

 <400> 24486

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 gggcctcagc ctctcactcg ccaacggcag tggcaggtct ggaatgttgc cgatgtcaaa 120
 catgtcagct aatccttcac agcttacaat tttctatggc ggatcagtat gtgtgtatga 180
 ctcagtgcc a cggaaaagg ctcaagcaat catgcttata gctgcagctg cagcggcagc 240
 ggcagctacc aaaagcagtg ctgccctac tgtaagcct ccaatgggtg ctgcagccac 300
 tgttgcccca gcagctgtcg tttctcctgt gcttacacgg tctccatcac tgcagagcac 360
 ttctgtagca actgggcaac ctc 383

<210> 24487
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B10

 <400> 24487

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 tcaagaggca attcgttcat ctcaagaaa ttgctgctaa gggtgagaag actagcccac 120
 aattgcgaca acatacttcc ttaccaagaa caggctgatg tgcacagatc cttcttgctt 180
 ggatgtacct taaggctctc aggttttgag ttgagcaatc cttgttggca caccatcaac 240
 tggactgctc gcatactcag atatggtcta ctcatcttta tttcgcttcg gttttaagac 300
 tactcactgg gaaa 314

<210> 24488
 <211> 289
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B11

 <400> 24488

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gaaggctcgg gcgaaggcgg ccatggagggc ggcgaggcgg tcgcagcgga tcgcggagat 120
 ggaggtccag aagcggatca gcgcggagaa gaagctgctc aaggaggccg aggagcgcaa 180
 gaaccgcggc ggcagcggca tgtcccacga ggcccgttac cggcgctaca gcatcgagga 240
 gatcgagcag gcgacggaca acttcaacga cgcgcgcaag gtgagcgag 289

<210> 24489

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B12

<400> 24489

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 cgcagatcta ctactgcacc atcgacagcg gacagtacac gctgtacaac cacaatgtcc 180
 tgcactactt taagggctgc ctcactctgg tccagaatcga cttcatcttc ggcttcagcc 240
 ttaacttcta cgaagactga cttatcaagt ctgaagttaa agacgtggcg gtcc 294

<210> 24490

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B3

<400> 24490

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 gcccacaaag taccgcgcgg agaagaggga cgtcgactcg ctccctgcct tcgtcaacag 180
 cctccggtga ggcccgtcag tgagcgagaa ccatcggtct ctgtcagtat gtactgtatt 240
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 gctagaaaaa acagatgcag gtgttgcttg taactgcaga atgatggtag gtatgcatga 360
 agtctgaggg cctgtgttat ttggc 385

<210> 24491
 <211> 311
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-008-Q1-K1-B4

 <400> 24491

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 cgcgctggcg gccggcgcg tgctgccgcc ggacaagatg gaggacgcgc tgctgttccg 180
 cagctccagc cccatctcgg tgctggagca cggcagcttc aacaacgcca acggcggttg 240
 cggcggtctg tccgcgtcgt cggagtcgtc ctccggcgtc tcgtctcgg agtctttctc 300
 cggcagcggg a 311

<210> 24492
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-G4

 <400> 24492

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 ggaccaagct catacatctg aattgactag tccaactcag ggattttctt ggggaccaat 120
 caaactcaag aactaagttt catgtctgat ctgcagctcc agcttccatc tgcttttgat 180
 ccgtttgcag aggcaaatgc tgaggactcc agtgctggtg ctggatcaaa ggactatgtg 240
 cacgtgcgta ttcagcagcg caacggaagg aagagtctga caactgttca gggcttgaag 300
 aaagagtaca gctacaacaa gatccctaag gatctcaaaa aagagttctg ctgcaatggt 360
 actgtaatcc aagatccaga gctaggccag gtcattcaac tgcaacgtga tcagcgtaaa 420
 aatgtcggta cttttctagt acaggccgga atcgtgaaaa aaga 464

<210> 24493
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-G5

<400> 24493

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ccatggcggtt ctatcggggc ctcaccgcag tctcgagact gcgatcacgc atggcgagcagg 180

aggccaccac gctggggggg gtgaggtggc tgcagatgca gagcgcgctc gatctcgatc 240

ttaagtccca gttgcaggaa ttgattccgg aacaacagga tcgcttaaag aagctcaagt 300

cagagcatgg aaagaccag cttggaaaca taactgtgga tatggtcctt ggtggaatga 360

gagggatgac tggaatgctc tgggaaacat ccctacttga tccagaggag ggtattcggt 420

ttaggggcct ctcaattcca gaat 444

<210> 24494

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G7

<400> 24494

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ggaccagca gcagctagca ctagcagtc atcggagcga cgatggtgag aaggacgggtg 120

ctggcgggcg tgctggtggc cgccgcccctc gccggcgggc cgcgggcgca gctcaaggag 180

gggttctacg actactcctg cccacaggcg gagaagatcg tcaaggacta cgtgaaggcg 240

cacatcccc acgcgcccga cgtcgcctcc accctgctcc gcaccactt ccacgactgc 300

ttcgtcaggg gctgcgacgc gtcagtgtcg ctcaacgcga ctggcggcag cgaggcggag 360

aaggacgcgg cgcccaacct gacgctgcgc ggcttcggct tcacgaccg catcaaggcg 420

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<210> 24495

<211> 408

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-G9

<400> 24495

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cgtcaccgcc gccgcgccga cgcggctgag ggtgcgagcg gcagcggcgg ggaaccgcgg 180

ctctctctcc gtcgcgcgcg ccgccgtacg ggcgagacg ggcgcgctca ggggatgcgc 240

ctggctgccca ccgaagccgc tgggagcggg ccagccgtac cggagcaggg gggccgtcgt 300

cgtgtgtcac tcgtcggcgc acctcagcgc gcgcaccatc cagtggatct ccgncggagc 360

cagcgcagtg ctattagttg ctaaaggcac tgccatacac aaatcttt 408

<210> 24496

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H1

<400> 24496

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catggtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt tcgggcctgg 120

tgggttcttc gacatcacca agttgggcag cctccggcaa tggcaagaca gacagcacga 180

aggctgtgca tgaggcatgg gcatcggcgt gcggaggcac tgggaagcag acaatcctca 240

taccaaggg cgacttcctt gtcggacaac tcaacttcac aggcccttgc aagggcgacg 300

tgaccatcca ggtggatggc aatctgctgg cgaccacgga cctaagccag tacaaggaac 360

atggtaattg gatcgagatt ctacgcgtgg ataacctggt ca 402

<210> 24497

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H10

<400> 24497

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cctccctcgc cgctcgctgcc tccgatggcg gtgggcccgc gtacgggtac acggcgggga 180
 gccccgacgg gccggagaac tggggcaagc tgagccccgc gtacaagctg tgcgggcagg 240
 ggaagcagca gtccccgata gacatcgta ccaagcaggc cgtccccaac gccaacctcg 300
 acaccctcaa ccgcacctac gccgccaccg ccgccacgct catcaacgac ggccacgaca 360
 tcacgatgac gttcgagggc aaggtcggga cggtaatggt gaacggcaag gcgtacagct 420
 tcgagaagat gc 432

<210> 24498
 <211> 420
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-H11

<400> 24498
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 gcccaaattc aacgtgtttg tcaaaaatgt atctgctcat ctgggagtag ctgcgccaca 180
 cattgagttg aagcatgtga ttgctgctac aattggtctt aagggtcttg gaagcctcct 240
 ttttatattg agcagctctc tcagtgttta tctcctgctg ctgtaccttg cttagatcac 300
 tcctatcatc catgacttct acaactacga tatggagaag gcagaatctg caggcctctc 360
 tgcaagttc acccatgatt tggcgctgat cggagctctg ctcttctttc tgggcatgaa 420

<210> 24499
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-H2

<400> 24499
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 cggggcacga cagcgcgagg accatccgcc gcgcgctcca cctgggcgtc aacgtgaaga 120
 tgatcaccgg cgaccagctc gccatcggct aggagaccgg ccgccggctc ggcatgggca 180
 ctaacatgta cccatgcacc acgctcctgg gcgacacgaa caccacggcg aacggcatgc 240

acatcgacga gctgatcgag aaggcggacg gcttcgctgg ggtcttcccc gagcacaagt 300
 actagatagt gaaacggctt cagcaccgga accacatctg cagcatgacc ggggactgcy 360
 tgaacgacgc gccggcgctg aagaaggcgg acatcgcat cgccgtggac gacgcgactg 420
 acgcggaccg gagcgcgtag gacatcgagc tgactg 456

<210> 24500

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H3

<400> 24500

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 actcctgggc tggctgggat gatgggaagg atgatggtct tgatagccct agttacaaca 180
 atcacagcac ctccaacaag gggagcaacc aaaacgggac atccggtggc acattttgga 240
 cagaaggcgg cttccgctga aaccagtctc tttttcatag agctatactt tcagagtcgt 300
 tacatgccag gaaacgtgag ggtccagtgg ttggtattat ttgggatact taaacagtgc 360
 ggtgaaaggg tttgtgtgtc ttgtaccatg tctacaactg atattatatc tagtgagata 420
 tatctct 427

<210> 24501

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-H4

<400> 24501

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 aggtggtaca ttgtactcgc cacggtgatg taggctgctc tgatcgcgga tggatatctgc 120
 accaccccgg tcaccttcca tgacggaaag ggatccaagc ctgggtcacct gatcctcacc 180
 agtaacgttg ccaccatata cgatgtggag atcaaagagc actgtggtga tgacttttgc 240
 tttacactga acgagggccc gactgacacg ttgactcatt gaactatagc ccactcaag 300

<210> 24502
<211> 477
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-H5

<400> 24502

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gaggagcagc agcagcagca gttcttcacg cgcgacgaca cgccattcat gagccagatg 120
ggcgacatca ccagcacggc ggagttcagg ttcggctctg gtttcaacat gtctagcacc 180
gccgccgctg attaccacag cgcgggcgag aagaacgacg gggccaattg gttctactga 240
agaataaaac ttgtagggct cctcggtata agcttcggat tcctccatgg ctctcccaag 300
ttgtcaagtc ttataggtct tcggtatata ggttttgcag tagctgcaag acggctggaa 360
cctgnaactg gtttatactt gtatgtccgg ccagccataa acctctctta tttgcaaact 420
taatgttatt cctagcttta agttgctagt ctgagtgctg tccatgtata tggctgt 477

<210> 24503
<211> 482
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-H6

<400> 24503

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tggatggtca acaaagtga aggaagatg cagaaaccgc tgccggagtt cctcaaggag 120
tacgacctcc cagcaggcct gttcccgcag gacgcgacga actacgagct gaacgaggac 180
accaagctcc tgacggtgta catcgcgctg ccgtgcgagg tgggctacaa cgactcgtcg 240
gtgctgcgct tcgccaccac cgtgacgggg tacctggaga aggggaggat gaccacgctc 300
gagggcctca agaccaagat cctcatctgg accaaggtga cggaggtacg gaccgaggcc 360
accaaggtgc acttcgccgc cggcatgaac aagaccagga accgggacgc gtacgaggtc 420

gtcaggggacg gcatcgncgt agacaagttc tagcagacct tgtaattagg cgcgtaatat 480
 aa 482

<210> 24504
 <211> 230
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-H7
 <400> 24504

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 gcgaattcta tcatgggtgac gggttatatac accactctaa cacttccacg aaccagtcgc 120
 caacagatct ccaactccaat catccttaca cctgatgctc tgcgtcgtac atcatatcca 180
 ccgtaagtgc atcttcaact acgcgcaaac ccgaacacgc gacacttcta 230

<210> 24505
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-G2
 <400> 24505

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 ggggatcatg aagctgggtg agatggaggg ctcccacacc atgcagaacg actacgactc 120
 gctggacctc cacatcggcc agtgcctgtc gttcctcgtc accgccgacc agaagcccgg 180
 cgactacctg ctggcggtgt ccaccgggtt catcaaggag gtgaacagca tcacggccgt 240
 gatccgctac aagggctcca acgccccgcc gacggccaag gtgccggaga gtcccagcgg 300
 gtgggcgtgg tccatcaacc agtgcaggtc cttccgctgg aacctgacgg cgagcgcggc 360
 gcggcccaac ccgcaagggg cgtaccacta cggccagatc aacatcacc gcaccatcaa 420
 gctcgccatg ggccgcagca aggtgga 447

<210> 24506
 <211> 398
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-E9

<400> 24506

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cccttttccg acattcacag gggggacagg aaatcagcg ccatggcctc gattccggcg 120
acgaccttcg ccgtcatctt atccgtcctc ttctgtgccg cggctggcac cgccgtcgac 180
aacgacctcc ccgactacgt catccagggc cgcgtctact gcgacacctg ccgcgccggg 240
ttcgtgacca atgtcaccga gtacatcgcg ggcgccaagg tgaggctgga gtgcaagcac 300
ttcggcaccg gcaagctcga gcgctccatc gacggngtga ccgacgcgaa cggcacgtac 360
acgatcgagc tcaaggacag ccacgaggag gacatctg 398

<210> 24507

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F1

<400> 24507

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gtgaggcatc atccaggcaa caacggcact ggctactttc tgtgtgatcg gttcgctcac 120
tatgccactc accttaaagg taggcaaagg ctgcaatcct gaacacctgg tctcaccacc 180
aaacattgcc accatcaccg aaacggagat catggatcac ggtctcgatg acttctcctt 240
tgagctcaaa gagggccacg tcgacacctg tacgcttgac acaaaggccc cactcaagta 300
cacgctctgc atccgctttg ccagcaaggt tgacggctac tcgcatctcg atgatgtcat 360
ccctgaaaat tttaatgcac acaccagcta caagaccacg ctcaaaatct gatca 415

<210> 24508

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F10

<400> 24508

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caaggagcag ctcgagctcg acaaggatga tgagagcctg aggaggtgga aggagcaact 120
ccttgggcag gtcgacacag agcagctggg agaaactgcg gaaccagagg tcaaggtgct 180
ggacctgacc atcctgtcac ctggcagacc ggacctgatc cttccgatcc cgttccaggc 240
tgacgagaag ggctatgcgt ttgccctcaa ggacggcagc ccctacagct tccgcttctc 300
cttcatcgtc tccaacaaca tcgtgtcagg cctcaagtac accaactg tctggaaaac 360
tggagtcaaa gtggagaccc agaagatgat gctggggacg ttcagcccc aactagagcc 420
ctatgtcta 429

<210> 24509
<211> 408
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-007-Q1-K1-F11
<400> 24509

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ttggtgtgga gaggaaagggt tcaagttgat tttaaccaag gcagcacgac ggcagcgacg 180
acgacataca acaacacgac ggtaggggtg atgatggcag cgccatcggg tgggtggatgc 240
agtggctgtc ttgactgcct gcatgatatt gtgcatgcac tatcgatggg atcatgcctg 300
acagtagagc agcggcctgc catggctacg ggaggtgcgc acaaaggag agatgtaaaa 360
gagaggaagg aaaagggtgga gggtaggata ataggaaatg gagtgggt 408

<210> 24510
<211> 421
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-007-Q1-K1-F12
<400> 24510

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acctgatgcg tgtctgctga tgcggggag tttaccagga ctgtgccgtt cttgatttct 120
gatagcttat cttctagtag acctcgtgtt gttctcttcg tcacggcgcc ggtgcgcgtg 180

cgctgaagct gcctgccatt gccattgcct ttgccgttgt ttttaattaa gcacacactc 240
tagatgttat gcccgcatgc tatgtttcga ttctcaagtt gataaatgat ggctggatgc 300
tggttttcgt gctccaagcc tgctgcttct tccagggaaa aaaagacctg cccttgttgc 360
agcgttgttg tttagaatga cctatatttg actgggtattc tgttacggcg gctttgcaaa 420
g 421

<210> 24511
<211> 461
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-F2

<400> 24511

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gtgcaccgcc atcgtgggtcg ccggcatggg gttcttcacc gacgcctacg acctcttctg 120
catctccctc gtgactaagc tcctcgcccg catctactac accgtggagg ggtccgcgac 180
gcccggcacc ctcccgcgc acgtgtccgc gtccgtcaac ggctgggcct tcgtgggcac 240
gctgtcaggg cagctcttct tcggctggct gggcgacaag ctcgggcgca agaaggtcta 300
tggcatgacg ctcatgtca tggctctctg ctccgtcgcg tcggggctct cgttcggcca 360
caccgccggc tccgtcatgg cgacgtgtg cttcttcgcg ttctggctcg ggttcggcat 420
cggccgcgac taccgctgt cggcgacat catgtccgag t 461

<210> 24512
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-F3

<400> 24512

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gggggcctac tacttgatc cgtgccttat caccattgaa ctaggatacg actcatattt 120
cctatatatc tacgactcgt acctgataca ccaagctagt actgctctgc aatattaatc 180

aatgactcta aacgtatctt ggtacatcta catgtacatt ctacaactag gctctaacct 240
 cctgcacaca cattatcaca tatttgatac ccacaattca tgactcgcac ataagctact 300
 gagaccccat cggttactct acta 324

<210> 24513
 <211> 345
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F4
 <400> 24513

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 cctgcactgc catccctagc gtaacaataa gcctatagga gaaagaaaat atcaatgggg 180
 atgttccac gatcacctcg gccgcaagca acgaggagga ggcgttgttc acagtcagag 240
 aatccaccaa ggacgatagc catcgcttga cgatggaatg ctccactccc gtctacttca 300
 gtagcccttc caccgcgct tcttgcgagc gggtactgaa gatgt 345

<210> 24514
 <211> 350
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F5
 <400> 24514

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 gccatgtact ctgctgacca gtcagtggat tctgctaaac aaatccagca catttggtcat 180
 cattagccta tgtttttccg agatgaactg caatctaggt cgtagacgca acctgtgggc 240
 attctatcag tccatgtagc agatcgaatg atcaacccat gagatttaca acagaagatg 300
 gcaaacaatg tggtagatgc gatcagacgc attaaagcta tatcgccaca 350

<210> 24515
 <211> 272
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F6
 <400> 24515
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 tatctgaaat actctacttc acgttgacca ctattaaggg ggccggcact agctctctac 120
 aactacgcct ataacatctc actcttcaat ctcatgactc aattactaat accctaatac 180
 tactacacta acatcaacct ctatccatga actatctcca cgtacaactc ctactcagaa 240
 cacacaatat tcaatgtccg cacattcact aa 272

<210> 24516
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-F7
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 gtacggctgc tacgacgact gctacgagcg ctgcgccaac ggcaagaaaag accccgcctg 240
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 cgcgccggct tgatcgccca ggcgattcat cgcttcagct cgatataatc gctgctccgt 360
 cagcaaccca catatgattc gatcaatctt cctcctctaa tttctcgacc ccgtcgaatn 420
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<210> 24517
 <211> 483
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F8
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 caaagcccaa ctacgggttc cgccccagc aggagcaaca gccgtcttac ggcagcggct 360
 acggatccag gcccagagccc gctgcggagg agggcggtgg ctatggatct ggcttcggat 420
 ccgggtatgg gaggaagaag caggaggagg agagctacgg ctctggatat gggaggaaac 480
 cgc 483

<210> 24518
 <211> 397
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-F9
 <400> 24518

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 gagcgagatc atgaagctaa agcgtgggat cagcaccaaa ccaggagacc acctcgcca 180
 aaatggccaa caacatccat gtcacgaatg ggaggagcaa cagcgctact ggccctcgcc 240
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 ggcggttctg ggccagggtga agagcatggc caagaaatgg atgcacatgc tgcacacaa 360
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<210> 24519
 <211> 398
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-G1
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cgagcccctg aagcactcct ggggcgccat ctggaggaag gacagcgaca aaccgcttaa 180
 gggacccctc accgtccgcc tcactaccga gggaggcacc aagtccgtct acgacgatgt 240
 catccctgcc aactggaagg ccaacaccgt ctacaccgac gaataattaa ctttagtgct 300
 gacaatacta taagccggcc tatgctagct atactagaat tggttggatc ccaagcaatg 360
 cattacacat gcatgcattg gaccgtgaaa aatacttt 398

<210> 24520

<211> 185

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G11

<400> 24520

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 aggtcaggaa gcaacgcccc acatgtcagg tcaggatcta atatgtgtag gggcttgaga 120
 aaaaaggcga ataattctgt aatcaggatg taaccgaaat actacagttt ttttttctt 180
 gtgac 185

<210> 24521

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G12

<400> 24521

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 gaacagaaga ttgactacag catcatggga ggattagtga ttgaattcgg gcagaagggtg 180
 cttgatatct caatcaggaa cagggcgaag caaatggagg cgttcttgaa gcaaccactt 240
 gacttctaac agccttttgg ataaaagcat catcggaatg cagaggctgt ccttgtgaag 300
 gttttcctgt gtctgcaatt ttaatctgtc ctttttgata aaatgtttcc tctaacaagt 360
 gaaaggcac 369

<210> 24522
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-E8

 <400> 24522

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 ccgacaccta ccacctcttc tgcattctcc tcgtgactaa cctcctcggc cgcattctact 180
 acaccgtgta atgggtccgat acgcccctcca cctcccacc gcacgtgtcc acgtccgtca 240
 actgcgtgga cttcgctgac acgctgtcac gacagctctt cttcagctgg ctgggctaca 300
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 catcccagct ctggttccgc cacaccccgg cgttcgtcat ggcaaacactc tgcttcttcc 420
 gcttctggct 430

<210> 24523
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D3

 <400> 24523

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 ggcttgctca agatcggcgc tgcggcgcc tgcaaggctg cggccgagga gaccttcgac 180
 tgctgcaca ggggggatgt ttcaaagcgc aagggtgagc atgccctgaa gaagatgtgc 240
 aaggagggcg catattgcgg gactgttgct ggcgtctacg tgggcgtggc gtatggcgtg 300
 tagagggtag gtgggcgcag tgactggaag aacgcgatgg tcggaggcgc cttgtccggc 360
 gcgctggctc ccgacgccag cagcaaccac ggtgacaaga tcgtcacgga cgccatcacc 420
 ggcgggcgcc tcgcaacggc cgttgagttc gccaaactacc tcac 464

<210> 24524
 <211> 459

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D4

<400> 24524

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aacgacgtca tgctcttcgg cgccagcgac tcctggccgc aggaccagat catgcagatc  180
accgtcgcct tcaaccactt cggcaggggc ctggtgcagc ggatgccaag gtgccgctgg  240
ggcttcttcc acgttgtcaa caacgactac acgcactggc tcatgtacgc cattggcggc  300
ggcgacgcgc caaccatcat cagccagggc aaccgctaca tagcaccacc aaacatcgcc  360
gccaaagtga tcaccaagca ctacgcggaa gaaggcgtgt ggaagaactg ggtgtggcac  420
acggaggacg acctgttcat gaacggcgcc atcttcaat                               459
  
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<210> 24525
 <211> 326
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D5

<400> 24525

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gtcgtacaga agtgccctct cgggtgttca taccagatat tggatgaatc aacaacagtg  120
aggattctga tgggtccgcc tcaaaagaaa attcccacgt tgctcacgtg gactcttgga  180
gggaggaata tctacgttga aggatcatgg gacaactgga catcaaagaa actcgttgag  240
aaatccggaa aagatcacac cattcttttg atgctttcat ctggagttca ccgttataga  300
ttcattgtag atggagaaag aagatt                               326
  
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<210> 24526
 <211> 227
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D6

<400> 24526

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 atcatcatcc agactcttca gctaaaactc ataactcttt ccctacatta tactttgaca 180
 tgtaccttgc agtgcattat attctgggtca gatcatctct gttcata 227

<210> 24527

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D8

<400> 24527

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 cgccatggctc gtagcaccga tggccgaggc aaagtccgcc gatgcccctg tggctgacgc 180
 gccagccgat ggacctagcg ggccgggtgc tgcacctggc ccccaggggtg tcgaaggcct 240
 gtcaggcaat gaggatgacg atgatgactc caccaattga ggccacacac gtcggcccgg 300
 ttaaatttgg aacaagacat ggaagaaaaa tgatagcaat gtctataaaa ccatgataat 360
 gtgtgggtcat ccaatcatcc atggatacat gcttgctcta cctctttttc tgtctgcatg 420
 attgtcaatg tgttatcatg ctgttagtta actg 454

<210> 24528

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D9

<400> 24528

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 ccgagcagag aaggggaggt acctgctacg actagctaga ttccacgcgc gatggcgccc 120
 accaggatcc gcgtggcctt gctgagcttg gcgctggtgg ggctgctcat ctgccacctc 180
 gccaccaccg cctccgccgg caagaacaga atccgcatcc tcgacagcgt cgacgactcg 240
 gccgggggaca acaacagctc cgacgcctcg gccggggaca acagcaccga ctccgagtcg 300

gaaggccgcg tcgtctattc cgacatgaag ctggctgatg agacgggatc tgcgccggt 360
ccggcaccgg cgccggggcc gacga 385

<210> 24529
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E1

<400> 24529

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tgtgggcgag agatgaacac atatccgat tctttctact gaaacaccag aaatatgcgc 120
tcttgctcca taattcgta acacaactgc aatggcggac ggtactgcca tgaaggccaa 180
ggctctgatc tcttgccaag gcacatactc ctggcgctcc atgtaccttg gtctgtctcc 240
agtgaggacg atacatcgac cacagctacc gggcttcacc tagtatccga acggccaatc 300
cttagacaca gagatcttgc tctgctcga tccaagcttc tttatcggaa gtctgaccat 360
cacggacaat ctggtccata tctt 384

<210> 24530
<211> 218
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E10

<400> 24530

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gatttgatgc aagtatgcgg ttttaatttg taaatcagag tcgaccata ctacgcgaca 120
cccagtatca attttcactt gtaatgaaaa attacacatg tactcatttg ttgtacacaa 180
acaaacaaaa aacgtagaa tataagagga tgtttctc 218

<210> 24531
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E11

<400> 24531

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atcctttctc gcatcatggc cacctctacg gagccggagg gcgcgccgtc cgcggtctaa 120

gggcctaaag gagaggccaa cacgaagggg agcaacgaac atggagaggt cggcgacagg 180

agcggcgggc gctcgcagaa gcggaagagg aaggaggtct tcatctacgg caactacagg 240

aactactatg gctaccggat tgatcgcaat gttggtgaag atcctcgcct tgaggcggtc 300

aagaaacagt gggttgaaaa gaaggattgt ctgatattg gatgcaacca aggtttggga 360

acgattggct tagccatgaa atttaaag 389

<210> 24532

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E12

<400> 24532

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tgtgtctgcc tgctcaaacc aagaagctaa aggctgcaag tgcccagcag gtttcaaggg 120

cgacggagcc aacagctgcg aagatgtgga tgagtgaag gagaagcttt tctgccagt 180

caaggactgc gcttgcgaga acacgtgggg aagctacgag tgcagctgcg gcggcgcaa 240

ctcgtgttac atcagagagc atgacacttg catcagcaaa cattccagct cgacgccgag 300

ctggggcttc ctgtgggtgg ttttcttggg ccttgcttg gccggagcag gagcgtacgc 360

cgtgtacaaa tacaggctac ggagctacat ggattcaaag atccgcgcga tcatggccca 420

gtacatgccc ctg 433

<210> 24533

<211> 284

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E2

<400> 24533

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gtacacacgg ataatcacgt caaattacat gtactcatgt tcactatcac attccaacac 120
atcgataatc ttctcttcat cctgaaactg gacaccctaa tgtctcacac aatacaattc 180
gagatctaca gtgagcctaa ctgtccgcat gccttatccc atacatctga tccaatgaat 240
gcctctctta ttcttactgt acttcatgta catcaccttt cgac 284

<210> 24534

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E4

<400> 24534

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gtggcgggca tggtgagaag gcaaagtcaa aggacaacga tgcaaaagcg tccgggccccg 120
gtgggtcctt cgacatcacc aagttgggcg cctccggcaa tggcaagacg gatagcacga 180
aggctgtgca agaggcgtgg gcatcagcgt gcggaggcac cggaagcat gacgacctc 240
atccacaagg gcgacttgct cgtcggacca ctcaacttca caggcccatg caagggcgac 300
gtgaccatgc aggtgaatgg caatctgctg gcgaccacgg acctaagcca gtacaaggat 360
catggtaatt ggatcgagat tctacgcgtg gacaaccttg tcatcaccgg caagggaaag 420
ctcgacgggc acgggccagc cgtgtggagc aagaactcct gccgtaagaa gtac 474

<210> 24535

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-E5

<400> 24535

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ggcatcaacc ttgcctaccg cgacgcaaga ggcagcgatc cgtatgtcgt cctacgactt 120
ggcaagaaga aacttaagac gagcgtgaag aagagatctg tgaaccccat ctggcacgag 180
gagctaactc tgaccgtcac agatcccagc ctagctctga agctggaggt gttcgacaag 240
gacacgttca gcagggacga cccgatgggg gacgcggaga tcgacgtggc gccgatgggtg 300

gaggccgcga acgcgagccc tgaggcaagc ctgtggaacg gcgccatcat cctgtcagtg 360
 cggccgagcg ccacgaactg actatccgac aagagctacg tgtgctggaa gaacggtaag 420
 ttcgcgcatg acatgatcc 439

<210> 24536
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-E6
 <400> 24536

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 ggcgtgcata tatatattcc tgccaagata aaggtaatgg agtcgtcacg caggttccag 120
 ccggccgtca tcctgcttct cctgctcatt gtgtccaccg atatggcaca ggcaagggaa 180
 tgcgagaagt acagtgagcg atttgttggg gcatgcatga tgcgagacaa ctgcgccaat 240
 gtgtgccgcg gtgagggcctt cttggccggc aggtgcagca ccttccgccc ccgctgcatc 300
 tgcactaggc agtgctaaac aagatcgctc gatcgctcgc catgcatcga caacctattc 360
 ttaataacgt tcattatctc gttcttattt atgacgaatg tcatgtatgt tctggtgact 420
 gtcatgtata ttctgatgac tgtcatgtat cttgttcattg tatgctca 468

<210> 24537
 <211> 211
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-E7
 <400> 24537

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 tcaataaata catcgtaaat cccttagtca tcatatatag gttgctggca atatcaactt 120
 tatgtactct tcaactcaatt accatcctac tcatattctg cttatcattc tcattctttc 180
 catcattact actcatctca ccctaataatc t 211

<210> 24538
 <211> 472

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D2

 <400> 24538

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 ggggaggatt cctgcaaagc tacggatata ccagtatac cccgtgagca gcagctagag 120
 acgaggcatt accatctgct gagccaaaaa tggtgactgc tgacaagcta tgaaaaatca 180
 actgcaacgc cctctatata atatttgtat tggcagcctc tctgcaaaat atatataagg 240
 ataagacttg cctcggacat ttcatttcta gaccctactc acatggaagc catccaatat 300
 ttttccgtaa ctcacctatt gctaaccctg ttagttcaat ctgctaagtc tatgattttt 360
 agtgcttgag cataatgaag gaaagcacca ttgtaaaact gaactacatg aaaagttgaa 420
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<210> 24539
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-C1

 <400> 24539

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 aaggaatgtc ctgcaggccg gctggccggt cgtcgatcga ggaaccaagc tgctgctgct 120
 gctaccggac gacaccaacc atgatacgga ggacgacggt gtgcctaggc ctgctgcttc 180
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 tgaacaggcg cacgcaggag tcccgccaca ggaaccacgg cggcgcgag atcaatgacc 300
 tcatcttcag tgctgcgcgc ttccacgcca acgtggatgc acgcgcgtat ggtcgccgct 360
 ccaacctgca gctgcaggag gaagaagcag cagctaccgc ggtgcgtgta accaaagcag 420
 aagaac 426

<210> 24540
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C10

<400> 24540

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gttccactac gaaatccagg cgaccgaccc atcggagggtg gacatcgagg ttctccggga 180
gcgggctcac tgaagctggg tctccttttg aaggacgtg tggagggccg tgaaccttca 240
gccagatgca aattcaattg tcaacgatga agctcccgcc gtgggtgtttg ttaataagtt 300
cctgtaagcg tatcatttag tcgctatgca tgatactagc tggatgaagcg ctatctaagc 360
tgtaaacgaa gcaagatttg caaacttggt atattgtggg attgatgata ctggattact 420
ggctgtgggt taaaa 435

<210> 24541

<211> 388

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-007-Q1-K1-C11

<400> 24541

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acagaacaaa cccatcaacc atggcgaact cggcgctcggg gatggccgtg agcgacgagt 120
gcaagctcaa gttccaggag ctcaagtcga agcgaagctt ccggttcac acgttcaaga 180
tcaacgagca gacgcagcag gtgggtgggtg acaggctggg gcagccgggc gacacctacg 240
acgacttcac cggctccatg cccgagagcg agtgccgcta cgccgtcttc gacttcgact 300
tcaccaccga cgagaactgc cagaagagca agatcttggt catctcttgg tccccggaca 360
cctcgagggt cangagcaag atgctgta 388

<210> 24542

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C2

<400> 24542

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cgggccacca tggcgacgcc cggagagcag ccggcggagg tcgtgtccgt cgagatgccc 120

gcacccgacg ggtggaccaa gaagtttact cccttgagag gggggagatc tgagattggt 180

tttgtttcac caactggtga ggaaattaag aacaagaggc aattaagtca gtacctaaag 240

gcacaccctg gaggcctgc tgtttcagag tttgattggg gaactggtga taccccaagg 300

cgttctgctc gtattagcga gaaagtcaag gtatttgata gccagaggg cgagaagatc 360

ccgaagcgca gcatgaactc cagtggtagg aagggttaagc aggggaagaa ggaaaccct 420

gagaccgaag aagccaaaga tgctgaaact ggcaa 455

<210> 24543

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C3

<400> 24543

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cgagggaaac cggctacgcc aaaaccaaact actctgtgtg cgtacgcgcg gcagtgagcg 120

acgaggcgcg gtgcgcgcgc actggccatg agccggggcc gcgcacgccg gccggttcca 180

ggcagtggca cccgcgccgg cgcgctcgag gtctgtctgc tctggcgta cgacgtgctg 240

ctagcagcgt accccgccgc ggccgtggag gcagaggcag gggacgagga ggcggtggac 300

tacggcgcggt cgctgtccaa gagcctgctc tacttcgagg cgcaacggtc ggggcggctg 360

ccgcacaacc agcgcgtgcc gaggcgggtc cactcgggcc ttaccgacgg gctgcagcat 420

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<210> 24544

<211> 469

<212> DNA

<213> Zea mays

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<400> 24544

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 cgcgccgccg cctcggcctc tacctcgggc atcgggcgcg gcgccgagcc ccgccggtgg 120
 gtccccccgc cgttcgcgct gcagcgctgc ggccacgct cgcttccgga cgcggcgagg 180
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 gcgctcgacg aggcggcggt cgtcctgctc ttctcgaca ggtctacct ccagcccac 420
 aagattgctg accttgtaag gaaagctatg cccctggcac tgacacctg 469

<210> 24545
 <211> 473
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C5

 <400> 24545

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 ctgtacggca ggatccagtg caagggcaag tgcaccgagc agaagggcat cacggcgccg 120
 gccatgaagg tctgccagga ggagtgcgac aaggcgtagc tggatgaaggc ggccgaggtc 180
 accaaggcct gcagcgtcac ctgcgccaag gagaagaacc/cgcgcctcag cgagaactgc 240
 aagaggtcct gcacccctcc tccttcttga agcgaagccc cttgaaatga atgaacctg 300
 catgcatgca tgtatgcatg cgccgggggtg acgtggcggt cagctcaggc gctgagcgag 360
 tctatacgta cgtcgtcacc ggctggccac gcatgcgata accatctgat atggacggaa 420
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<210> 24546
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C7

 <400> 24546

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 ctcactcacc acgctcttgt ctgaccaact ctctctctct cttatctcct tccaagattc 180
 ccccatTTTT ttgttgttgt cccccccatt cttgctagga tcattccttg atctttcgct 240
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 ccaagctcca agaggccaga ttccagcaca aatttgaggt caatttgccc gctgagctcg 360
 aatcaatccg ctcggaaca agtgctattt gttccccga tccccgggct tcgattcgat 420
 cgaatccgac ctaattntat tgngtgtgtg t 451

<210> 24547
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-C9

 <400> 24547

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 acgtacagtt aaccgcctc ttccatgac ttctgccgt ctcaccggcg ttaattcttt 120
 gcgacagcgc cgccgttcct gcggtacggc aagtactgcg gcatcatgta cagcggctgc 180
 cccggcgagc cgccgtgcga cgcgctggac gcctgctgca tgcaccacga caactgcgtc 240
 caggcaaaga gtacgtctgc gttgctccag tcgtcgtctt cagttcctat agtccagta 300
 gtgaatcttc agttcctata gctccagtag tgaatcttca gttcgacagc acgcacggac 360
 gtgggctgac gacggctgct gcgcgcgtgt tgtgtactac catgtgcagt ggactacctg 420
 agcacggnct gcaacg 436

<210> 24548
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-D10

 <400> 24548

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 ttggtgttct tggtagcg cgcatgggtgc ggtcctccca aagtcccccc aggcaagaac 180
 atcacggcca cctatggcaa ggactggctg gacgctaaag cgacatggta tggcaagccg 240
 acaggtgccg gtcccgacga taacgggtggc ggctgcgggt acaaggacgt gaacaagccc 300
 ccttcaata gcatgggcgc atgcggcaac atccccatct tcaaggatgg tctgggttgt 360
 gggctctgct tcgagatcaa gtgcgataag cctgtggagt gctcggcaa gcccggtgtg 420
 gtgcacatta c 431

<210> 24549
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-D12
 <400> 24549

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 caaaggggtt gccctcatcg gcggcagcgc caacagcacg gtcgctgggg tcattcactt 120
 cttcgaggac ccctccacca ggtacaccga ggtgaggggc aaggtcacgg gcttgactcc 180
 gggaaggcat ggattccaca tccacgtctt cggcgacact accaatggct gcaactcaac 240
 cgggccccat tttaacctc ataataaacc ccatggagct ccatttgacg atgaacgaca 300
 tttgggcgac ctgggaaaca tagtagccaa tgaagatgga gatgcagaag tgttcataag 360
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 tgctg 425

<210> 24550
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-B9
 <400> 24550

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aacaaaaatg ttgcgcgtca cagctgccgt gctcttctac atcctcgccg ttgtgcct 120
cagcgcggcc gacgccccgg cagagtcacc gaaggaaggc agtgctgcca aggcacctga 180
gtctgccaag agaactgctg cccccgctga agcacccgaa gccgcatcca cccccgtcgc 240
cgccgctgcc ccatcgccgt cgtctaggaa gtctgggtcca gctaccgctc cagccaccgt 300
ctctacaccc ctttcttcca cggacgagga gttgagccct tccccgccag catccaccgc 360
cgcggtctcc cctgcggtg anggaccggc tgctgatgac tccgncggtg ctgtgcct 420
tggaagtgga ac 432

<210> 24551
<211> 281
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A3

<400> 24551

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gcggcgctga ccaacgatgc acaaattacc acagaccagc catcggttac acaactgacc 120
aacttggtga gcacctacag aaactcaaga gacattacac gatctacgat caccctgaca 180
tattgacaga tgctgtacag gctatacatg tatgacatat aggatgtgca ctgagcaaca 240
atctactctt tatacacaag aagcatgtgt tatatgttat a 281

<210> 24552
<211> 468
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A4

<400> 24552

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aggttactat aacggtcaat ggcatgaaa ttcatatgga tcagttaggg aatgttgatg 180
accgtaaaaa atctgggggt caggcattgc aaataagatc ttgctcccag tgtgccattt 240
cggagtctgg tgtgttaagg cagcctatgc ggtcaagggg actgcttgct cggccttata 300

ttcattcaat gcttgcata gcagcagtct gcgtatgcgt ctgtgtattc atgcgagctt 360
 tgctgcggat caattctgga aaatccttca agtgggagag gctggattac ggtacaatat 420
 aattgtgggg acacacctga gccttgtggt attattaagt taacaagc 468

<210> 24553
 <211> 459
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-007-Q1-K1-A5

<400> 24553

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 gcggatcgcg tacctgttcg cgatcctcga ccggctcgtcc agggacggcg gcgtcggcgt 180
 cggcgagctg gaggcctggc tgcgctggca ggccgccgcc cggctggacg ccgtcacgcg 240
 gagggagatg gctccgcacg acacggaccg cgacgggtgcc gtcacgctgc gcgagttctt 300
 cgcagactgg atcaacatgg gacatgacaa aatgggggtg tggtatgcaca agtttgcgag 360
 cgcggacaga gacggggacg gctcgtcaa cgccgtcga ttcaacgact tcttgcattc 420
 tgaagacagc agccaagaga gcgtgatgct gtggctact 459

<210> 24554
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A6

<400> 24554

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 attattaatt ccagttgcag catgcatgat gatatatata tgtgtctcta tatgcatgcg 180
 ttggtctata caattcagat atgcatggtg tatacaagtg gtagctagta cgcacgtaca 240
 catccagtca ttaatttgta cgtcttcgcg tgcatttggg ctgtcagctt attaatataa 300
 gtacatactc ttactataaa aaaaaaaaaa taatcaacaa gaaatatcaa aaaaaaaaaa 360

ataaagaccg aaac

374

<210> 24555
<211> 479
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A7

<400> 24555

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tttggcatga ctaaggagga gttctacgag cagccaatgt ggaagcagga gttgcagaaa 180
aagaaagccg atcttttctg agacaaggct ggcttcgaac taataaaagc ctttacgtcg 240
cacaggattg tccagcattc tcatcatgct cgttacgctg atgatgatcg atcaccagca 300
gctttatccg tgagttgtat aggctactct tttatctgca catggtttgt gagcattata 360
tatatatccc acttgcccggt ccattattct gaggtcgctt ttgatgttga cctttcacgt 420
gttttctttt tttattgtat tataaaagat caaactgggtg taaatggcat tactagtga 479

<210> 24556
<211> 475
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A8

<400> 24556

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tgctcctcgc cgccggggcg gcgccaccgg ccggcgccat ctgcgtcccg cgcaatcccg 120
gtggccacag caagccagga gcgccggcca agcccgcgcc accgaaactg aagcccctca 180
cgcccgcggc gccggcgccg ccgaagccga cgccgatggc cccggggcgcc gacatcgtgc 240
ggagcctgtg cctgaagacc gactaccccg acctgtgcat gtcggccatc gcgaagcagc 300
cgcagccgca gctgccggtc gggaagcggc tggacggcgc cggcgtgctg cggctggcca 360
tgggcgccgt gcgcaccaag gccgtcgagg ccaaggccgc ggcgggcgcg ctgcgcaacg 420
acccccggac gcagccgctg gcgcgcggcc cgctgcacga ctgcgtcgag tcgtt 475

<210> 24557
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A9

<400> 24557

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 gtaccaggcg gagcacgcgg cgcagtgcgt caaggacacc gccgcagccg cggccgacag 180
 tgcgagctg cagcagcacc gccccaccgg caccgttgag caggtggcg agacggggcca 240
 gggcgtggcg gcaggcgtca aggacacggg ggcggggcg gcggttggcg tcacgaacac 300
 ggtggcggcg gtggcggcg gcgtcacgaa cacggtcacg ggcgccgtgg cgggcgtcac 360
 gaacacggtg accggcgcg cggttggtgt caaggacacc gtgaccggcg gc 412

<210> 24558
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B1

<400> 24558

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 tatgcaatat ttggggaagc tcgggtggag ccaatggcgt tatcagagcc cacaaattgc 120
 cagcctaata gagaaaagtg cattagcat ttaccaaagc ccatgatgca aattttctca 180
 ttaacattgg gtaaaattcc catcgaaaga gattcagtag aattatatgg ttacatggcg 240
 gtgcgggatg atcaggatgt attgcttaat tatattgtca atcggagcat ggatgaagcc 300
 attttactgc aaaaggattc ccttatcgaa atgactggcc ctaagccagg catctcaatg 360
 acatcctctg tacatgctg 379

<210> 24559
 <211> 90
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B10

<400> 24559

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tgctgaatgt cgtataaggg ctagttttgc 90

<210> 24560

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B12

<400> 24560

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gtataatttc gaaattttcg aaccaatacc tgctaacgtt caagatacta atatacaaat 120

gctactacat acttacttac caagaacatg actatacttt tataaatttt atatttttat 180

attatataat ttttcttata tatatttata taaattatat tatattaat 229

<210> 24561

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B2

<400> 24561

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gtatacgacc acgagtcac gagcagacga gtcctcgcg caccagtgtc atcgcgtcgc 120

cgtcgcgctc gcctcgccct cgtccatggc gtccgtgtcc acggcgccgc gcgctccact 180

cccggcggca gcgtcgctct cgttatccgc gcggcaagtg gatccgaacc ctagcggcag 240

ccactttttc gacggggcgc gcctccgcgt cgcccgccgc ctcgccggcg cgccccgctc 300

gcggcgcgct ccgttgggtct gctgctccgc gcgtagtccg gacgcggacg ccggcgacga 360

gcgacgccgg cggcgttggg acgcgatgct tcacgacgcc ttcaaggggtg ccgtgcgacg 420

gtggagcgag tacgtcagca attactggcc cccaccgacc tctgttaacg ag 472

<210> 24562
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-B4

 <400> 24562

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 atgtgccaaag gaaatgacaa agctctctgg catctctgaa atcatccccg agatggagat 120
 ctgctgatttt gactttgaac cctgtggcta ctccatgaat gcgatccatg gctctgcatt 180
 ctccacaatc catgtgacgc ccgaggacgg tttcagctat gccagttatg aggttatggg 240
 cttggatgcc actgctctgt cttatgggtga ctttgtcaag agggtccttc ggtgctttgg 300
 cccctcggag ttttccgttg ccgtgaccat cttcggcggg cgtggccatg ccgggacatg 360
 gggaaaggca cttgggtgcag aggtctatga ctgcaacaac atgggtggagc atgagctgcc 420
 tggaggcggg ctccctcgtgt accagagctt ctgtgctgct g 461

<210> 24563
 <211> 210
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-B5

 <400> 24563

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 ggttttttta atattttttt ttatttttat aaaatttttt attttttat atttttatta 120
 tttatttttt tattttattat aatatatttt ttaaatttat atattttaaa tgtattctat 180
 aattttcatc tattttttca tttacaatat 210

<210> 24564
 <211> 296
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-B6

 <400> 24564

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gtgtctctat ttaaaacgaa cctctgtatc atcagaccta tcattcaata tatctactat 120
aactcatatc acttttcaatc caattcatat ttcataaatc ctatccatct ctatccatat 180
tatacaatcc atcatatgct ccatgaccta ttcacctatc ctatttatca agttatagcc 240
tttcatacca ctgatctgta tcatgtccac catctcaaca ccatccttca attctt 296

<210> 24565
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B7

<400> 24565

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gcctcaacga gctttctgtc cgacgacgac gacgtgccgc cacatccaca tggcggaacga 120
cgccgtcgcc ggcggaacgcg cgttctgtc cgagggccg gcgcccgcct cgctgtcttc 180
tagcaggaag cagcagcagc agcccgacga cgccggctgc ggcagcagcg acgaccacta 240
ccagcacgac gtgatcatgc tgaggcggaac gaggagcggg cgggcgttcc cgccgccgat 300
ctccgtgatc ggcaagggcg ggcgcccgctg gctctgcctg cgggcgcacc gcgaggggtg 360
acgcctcgctg ctgcggcaga tgcgctgcc gtcgcaggag ctgctgcagc cctgcaagga 420
ggacggcagg ttcaagctcc tcatgcaccc gga 453

<210> 24566
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-B8

<400> 24566

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gggttagcgc tcttctgtgt cgtgcatggt gagaaggcaa agtcaaagga caacgatgca 120
aaagcgtccg ggcccgggtg gtccttcgac atcaccaagt tgggcacctc tggcaatggt 180
aagacggata gcacgaacgc tatgcaggag gcgtgggcat cagcgtgcgg cggtaccggt 240
aagcagacga tgctcatctg caaaggcgac ttactagtgc gaccactcaa cttcacaggc 300

ccatgcatgg tgcacgtgac catccaggtg aatggcaatc tgctggcgac cacggaccta 360
agccagtaca aggatcatgg taattggatc gagattctac acgtggacaa cdttgatc 420
accggcaagg gaaagctcgt ccggcagctg ccagccttgt ggagcaagaa ct 472

<210> 24567

<211> 358

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A2

<400> 24567

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ctatatctat cagcacaacg cgggctgcat gcgaggctgc gggccaacta aactgatcca 120
ctacactatc ctatactagt ctacttaact acacttgacg gctgcatcat gatgactcca 180
tgtctcactc tatccatccc ttggctctata cactctacca ctgcctggcc tatacaagtg 240
gcagctattc cacacttaca cagcagtcga ttaatgtata cctacttccc tgcatttgcg 300
ctgtcagctc tatatattaa agatcctact ctctactcac acgcgctact cagctaca 358

<210> 24568

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G6

<400> 24568

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cccctgtgga ggcactactt tcagaacaca cagggactta tttttgttgt agacagcaac 120
gacaggtaac gtgttggtga ggctagagat gagctccaca ggatgctgaa tgaggatgag 180
ctgcgtgacg ctgtgctgct tgtatttgca aacaaacaag atcttcccaa tgctatgaat 240
gctgctgaaa ttactgacaa gcttggtctg cattccctgc gacagcggca ctggtacatc 300
cagagcactt gtgctacatc tgggtgaagg ttgtatgagg ggcttgactg gctttccagc 360
aacatcttca gcaagtcttg aagcttttcg ggagggcttc taacgagagg atgtctgaac 420
aacttatggc tgcttttttt ttacat 446

<210> 24569
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G7

<400> 24569

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 tacgtataca gtttgtataa catgaaccac ctctgtttgc gatttgtcta aaaataaata 120
 taatacttat ataaaaaaaa aaaaaaattt gaccaaactg tactgtgatg tgtaacaatg 180
 ccacaacaca gtacttgaag gcaaacgtat gtagattaat tagcagaacg acaacctgtg 240
 atccatcctt gctttcttcc atgaaatgaa acgcagccag cgcgacctgg catggccagg 300
 ccccttatg gccaaagatca agatcgggat 330

<210> 24570
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G8

<400> 24570

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 gttcctgggc tggtctgaa tctcagctt ccaaaagatc actgccattc ctagcacagg 180
 attttgaatc agatattgac acaagacttc tgaagcttgt aaataagatt gcttctggat 240
 cttgtgggga catgtttctt gggacctaca gtggtgagga ggttgctgtt aaagttctta 300
 atcctcagaa tttgaacaaa aatgtatgga gtgaatttaa gcaagaaatc aacatgttaa 360
 gggaagttga tcatccgaat attgtccgat tcattggttc atgcacaaag gcacctcagt 420
 ttacataat 430

<210> 24571
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G9

<400> 24571

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gagatgaaga agatcgcttg cgccgtcttc gtcgccgcct cgccggccac cgtggcgctc 180
gccgcggagg ctccggctcc gggccccacc agcggctcct ccgccgtcgc gcccgccgtc 240
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cgcgcccggt cgcccgagg ccgaggaaga gacgaagcgg gagagagagt gacatggctg 360
cgcgcatctc gatgcgtggg catgtttttg attcgacaca cttttgtcc tcttttctt 420
tggtccctct ttctcctt 438

<210> 24572

<211> 349

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H1

<400> 24572

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tcgatacccg ggaataccgg gtgtttgtag gcacatggaa tgtgggaggg aagcctcctg 180
acagcagcgt taacctcgaa gagtttctgc agattgaagg attgccgat atatacgtct 240
tggggtttca ggagatcgtg cctctgaacg cgggcaacgt gctggctgtg gaggacaacg 300
agccggcggg caagtggatg gagctcatct accaggcctt gaacaggcc 349

<210> 24573

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H10

<400> 24573

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 atatgctgaa gcgccagcag ttgccctcag tatggacctc ttgccttta gcctttatat 240
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 gtgtctgtat tattatctag tacacttgta gtggagccag tgtcaacctt caattgtggt 360
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<210> 24574
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-H11
 <400> 24574

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 ccagcggaca tgcaaccagg tgcacttcag gaagatgtgc cagagcttga cgaggctccc 300
 gagggtgaca acgcccgcgc aactgctgct agcgtcgatg cgcgtcgcgc cggagaaggc 360
 cagggaggcc aagagccggg tggacgagtt cgcggcgagg aaccacgagg gccggccgat 420
 ggagtcca 428

<210> 24575
 <211> 210
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-H12
 <400> 24575

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atattctgaa gccaccgccg atgccctcat

210

<210> 24576

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H3

<400> 24576

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gcatgcggta gtggagttgg tgcctgctga tgataatc gccgtcgccg ctgctggcac 180

ggcgggtggac gatggcgagc cgactcagca gtgcgcgacc ccggtgagcg tggatgaagc 240

gtgccgcggc gcgttcgata ctcacgccgg cgtggcctac gaccactgca tggcgtcgct 300

gggcgccgac tccgcgcagt aaggatggcg ggtacaagaa catgcac 347

<210> 24577

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H5

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gcatgcgatg ctgcttggtg ctgcaattga tccactatac tatactatag gattattatt 180

aattccagtt gcagcatgca tgatgatata tatatgtgtc tctatatgca tgcgttggtc 240

tatacaattc agatatgcat ggtgtataca agtggtagct agtacgcacg tacacatcca 300

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actc 364

<210> 24578

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H6

<400> 24578

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 ccagcgggag caaggttcta tcatgcctat ggatattgct actgtgagaa acacaaatgc 360
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<210> 24579

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H8

<400> 24579

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 tgtactccgt aggatgccgg atggtggcga gaagatgcat tcacgtgtcc tccggatgaa 180
 gaaggagctc gagcggcgga gggccagaca gaggatggat gtcacgccct tgagacagac 240
 agtgcaagct aagcgtactg gtggcagcag tggagaaatc tacaacttaa agtctgatga 300
 tgagaccatg gacagtacgg ctagcaaca ctatccaaac tcaagttgta ctacatctac 360
 aaagacctat acccaggtta aaggagctgc atatgaagaa ca 402

<210> 24580

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-H9

<400> 24580

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ggcggggtca accgcgacag cccgaccaca gcagtgcggg ggcgcggccc ctggtaagcg 120
agcgggcgcg acccccggtc cgggcgcgac agctcggcgg ctcacggggc cgcgggccag 180
ctcggcgtct cggacgcggt cgaccgaccc tgctagcgta gacaccggcg cgcggccttc 240
ggccagagtg caggcacgtg gcccctgcag cacggaccca gcggtcgtg atctctggcg 300
acctatcgag ttagcgtggc ccgacgcgag tacatcggct tctgcgcgcg gacgcgaaca 360
caccgacccg tcgagc 376

<210> 24581
<211> 152
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-A1

<400> 24581

caaaaaaaaaac acatgaaaat gattactacc gattaccacg accccgaata atcgcaccaa 60
ttgtgcggcg tactaaaggg ggtgcaccgg tacttcggat ccagacgcgc cgatggacgt 120
gcgctagcgg atcgcttacc tattcgcgat cc 152

<210> 24582
<211> 376
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-A10

<400> 24582

cttcgcggag gccatgtcgg cgcgcgtcgt cagctcctgc ctaggcctgt acgcgccgat 60
gccgccgggc tccccgcgcg cggcgcgcct ccacggccgc gtggccgcg cgttccaggt 120
gttcaacggc atcagcccct tcgtcaagtt ctgcacttc accgccaact aggccatcca 180
ggaggcggtc gagcgggagg agcgtgtgtg catcatcgac ctcgacatca tgcaggggct 240
gcagtggccg ggcctcttcc acatccttgt ctcccgcgcc ggcggccgc ccagggtcag 300
gctcaccggc ctgggggct ccatggacgc gctcgaggcg acggggaagc gcctttccga 360
cttcgncgac acgctc 376

<210> 24583
 <211> 364
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-A11

 <400> 24583

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 tgctcagagc agtgtcaggg cgcataagac ctgcttctgt cgattttttc tctgatcatt 120
 tgccgctcaa accattcatc aagctttttac tcgtcagata gattgttcaa gtcaccggag 180
 cacggcatgg acttcagccc tcaaagaaag agcggcgaac gcgatcccgt cagcttcgtc 240
 gaacacgatg acagtgatga cgacttcgga gctgaatcca ccgcctctaa taagccgtct 300
 gcgcattcgc acgacaggac caaatccaag cccaagacga gccatggcag ttcaaccac 360
 gcga 364

<210> 24584
 <211> 293
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-G5

 <400> 24584

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 gaaaaataaa aaaaaaaaaa aagaaaaaaa aaaaaaaaaa aaagggccag ccgtttttta 120
 gctcccaagt ttaattccgc ttcttttcaa ttccttaatg tttttatcgt gatctctaaa 180
 ttcaatacct tgaccttctt ttaacactat tcagtctgga aaatcctttg cttgctcgat 240
 ctaattcgtt ttgtgtccga tctctttttc tccagctggt tcaatcttaa aaa 293

<210> 24585
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-007-Q1-K1-A12

 <400> 24585

cccacgcgtc cgcgtccccg tccccgcgt ctaccatgct cctcgcccct ccgaacgtgg. 60
tctctccat ctacgccac aaccaatgca cgcctccggg ctacgccgc gccaaagcccg 120
tgaggagggc gatctcgccc acaggccgca gatctccttc caaactagga ggcaacagcc 180
tggaagggg cgaccttgca tggtagggc cccctttcca caaaggacac aatttcaccc 240
ccttccatat ttggcgggtca tggcatgcac tacgccccct tctcgcccct cattccaaat 300
tcagccctca actgtgcatg caccacctc aatcgactgc tattgtctga atcgacagtg 360
ctattggtct ggttggttg gacttg 386

<210> 24586
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F1

<400> 24586

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cataaggaag gcatgatgtg cacatagtgt ttttctgtg gcatgtatgt gcctgtcacc 120
ggagtccggt gggcagcagc cattgcaatt gtttcttgtg tagaggaaaag ctacatatta 180
tgaagtgatt gtgagaactc aattaaagat gtgaacttaa cataaaaagt gcttcttgtg 240
ggtttggtta tgaccttgta ggtctatgag aattcgggtg ttggattggt gtttatttgt 300
ggctattctt gtgtcttgac atgaattcag ttacgacgag tattttatgg ctatgctaata 360
gtaatatctt tg 372

<210> 24587
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F10

<400> 24587

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cgagaacctg ctggtgtctc tgatcggcgg catcccgatc gccatgcca ccgtgtcttc 120
ggtcacatg gccatcggct cgcacaagct gtcgacgag ggcgcatca ccaagaggat 180

gaccgccatc gaggagatgg ccgggatgga cgtgctctgc agcgacaaga ccggcacgct 240
caccctcaac aagctcagcg tcgacaagaa cctcgtcgag gtgttctgca agggcgtcga 300
caaggaccac gtgctgctgc tggccgcgag ggcgtcgagg accgagaacc aggacgccat 360
cgacgccgcc atggttggca tgcttgctga ccctaaggag gccagggctg gtatcagggg 420
gatccacttc ttgcccttc 439

<210> 24588
<211> 352
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-006-Q1-K1-F12
<400> 24588

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gtgctaataag aacgcgagtg accatcagcc ggactacgat cctagcgctc atggatacac 120
taactgccac ggacgtcgat tgccacaact catctcacga tcgactatgt agatcaatac 180
ttgtccaaac gcacgccaga ttcccgacac acgaacatct gtagcacgct cattgatcac 240
ctaattctcca atgcctcgcg ctttcacacc aacgtgcatg cacacgccta taggcgatga 300
tccctcctgc cggacgaggg atcagctacc ggtattacca aagcgcaagc tc 352

<210> 24589
<211> 366
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-006-Q1-K1-F2
<400> 24589

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ttcaagatgc agatctttgt gaaaaccctg accggcaaga ctatcacctt cgaggtggag 120
tcgtctgaca ccattgacaa cgttaaggcc aagatccagg acaaggaggg catcccccca 180
gaccagcagc ggctcatctt cgctggcaaa cagcttgagg acgggcgcac gcttgctgac 240
tacaacatcc agaaggagag caccctccac cttgtgctcc gcctcagggg aggcattgcag 300
atctttgtga aaaccctgac cggcaagact atcaccttg aggtggagtc ctctgacacc 360

attgac

366

<210> 24590

<211> 230

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F3

<400> 24590

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ccatacgtac cctagatgtt atctcattac cttgtaacct ctgaatcact tgggtagtcg 120

ctatgcttta catggttttg ggaaatcatt tatcacctct atgttccatt cttgtattta 180

ttctgttgag ttcattgtgt taccataatg ttaattggaa catatagctt 230

<210> 24591

<211> 77

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F4

<400> 24591

aagaactatg tggttcgtaca tggtactgac cttatcatta tttgtacatc taaatttgga 60

tttagaatgc tgatgat 77

<210> 24592

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F5

<400> 24592

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gtgggcgcgg cgctgcgtgt gggcgctcct ctgttcggca ggaatcctcg ttgcctcctc 120

actactccaa tctccatcgc cattgtcggc gcaagcaaag gggcggagca gcatggcggg 180

gcgctatgac ggcaaccctt tcgaggagga agacgtgaac cctttctcgc aacaaacgcg 240

cggcaaggct ggcgggcaat ccaactttgg cggtggcgcg ttttatatgc ctaacccccca 300

aaacgtgcct ccgacatcca attcacgcct ttcgccgctc cctactgaac cggcagactt 360
tagtgctaca 370

<210> 24593
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F6

<400> 24593

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gcgccgccga ggagctgccg gagagcgtcg actggaggga gaagggcgcc gtcgcgcccc 120
tcaagaacca ggggcaatgc ggaagttgct gggctttctc tgcagtaagc tcagtggaaa 180
gcgttaacca gatcgtcacc ggtgagatgg tgacactgtc tgaacaggag ctctagagt 240
gctcgactga cggagggaac agcggctgca acggcgggct catggacgcc gctttcgatt 300
tcatcataaa gaacgggggc atcgataccg aagatgacta cccttacaga gccgtggacg 360
ggaagtgcga catgaacagg aaaaatgccc aggttgtgag 400

<210> 24594
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-F9

<400> 24594

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ggcacgcgcc cttctccctg cttcatctg ctccatctgt tcaagaacac gccagagaat 120
tcaagtgtcg cattgcactt gactccgtc gagccccgat ccatgcctgc gcctgcccct 180
gccatcgccg tcgtcgtgcc gccgccgccc tcgccatcgc ttactggctg cgacggctgc 240
tactgactga tcgctctgga tgtagctata ggtacctctc gattggcatg ctgttctgat 300
aacttctaac gagcctcgaa cacaaaacaa agccgctctg ccaccggctg cactggcgc 360
tggaagcaac gacctctcgt tagccaggat ggcaatcgcg gtcggccatt tccatggacc 420
taagcccccc 430

<210> 24595
 <211> 361
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-G1

 <400> 24595

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 gagagcctag gactgactca ctgacccgaa cccgttcccc gcgggacttc ctctcgaatc 120
 gtcccagtcg agaccctagt tgccccacga accgaggatc caagatgagt ttcctgttcg 180
 ggaagaggaa gacgcccgcc gagctgttaa gagaaaacaa gagaatgcta gatcgatcca 240
 tcagggaaat tgagcgagag agacaaggat tgcaggccca ggagaaaaag ctcatcactg 300
 agatcaagaa aacagcttaa gaaggccaga tgggagctgt caaagtaatg gccaaagatc 360
 t 361

<210> 24596
 <211> 432
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-G10

 <400> 24596

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 gcttgagggtg ctcaccgcgc tggacaccgc gaagacgcaa tggtagcact tcaccgcat 120
 cgtggtcgcc ggcattgggt tcttcaccga cgcctacgac ctgttctgca tctccctcgt 180
 gactaagctg ctcggccgca tctactacac cgtggagggg tccgcgacgc ccggcacct 240
 cccgccgcac gtgtccgcgt ccgtcaacgg cgtggcctta gtgggcacgc tgtcaggga 300
 gctcttcttc ggctggctgg gcgacaagct cgggcgcaag aaggctctat gcatgacgct 360
 catgctcatg gtcctctgct ccgtcgcgtc agggctctcg ttcggccaca ccccggcgtt 420
 cgtcatggcg ac 432

<210> 24597
 <211> 424
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G11

<400> 24597

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tccacaccca aggttgccgc cgaggccact ccaatctccg ttgaggttgc ggctgatgaa 180

caggtagctg agaaggtggt ggtggaggag cgggctgcgg cggccgacgt tgagcatcag 240

aaggctaata aggtgctcgc tccagaggcg gccgtcgccg agcccgacca caaggaggag 300

gaagccgtgg agaagaccgt cgtcgaggaa gagaagccag cggcagcagc ccatgcagag 360

gaaaaggctg ccaccgtcga cgagaccacg acgacggtgg aggcgaaaaa gaacgccgag 420

gaag 424

<210> 24598

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G2

<400> 24598

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gccacaccga tgctgcatag tgcttcatca agtggcatca agtgggtgca gaacaatgtg 120

atatggagct cactctcctc aagcttggtg cgtcatggaa aggaagcaat gaagcagaga 180

gacatggagc tgcaagctgt gcttgatgga ctgctagaag catctgcctc tgagaagttg 240

ataaaatgcc tgagcaaata ctccgaacta cattctgaca aggacgacga cccaaaggag 300

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tcacaggcca gactcaagca ccc 383

<210> 24599

<211> 345

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G3

<400> 24599

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atgactcctt caagaagaag gccagccgca tggagcagag ggacaagctg ggcctgagcc 120
cgcgagggaa gcgcgaccct cgccactacg ctgaggccac cgacgccatg gacaaaagtcc 180
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tcaagggcat ggccgtcgac atgggctccg agcttgacag gcaaaacgaa gcgctggatc 300
atctgcaagg cgacgtggaa gagctcaact tcagggtgaa aggag 345

<210> 24600

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-G4

<400> 24600

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aggactccat gatgaacaag gccatccgca tggacgcaca tgacaagcta gacctgagcc 120
ccatagggaa gcgcgaccct cgccactact ctgaagtcac caacaccatg gacaaaagtcc 180
agatctgata acaatattct ggacgactcc ctttacaaca ctcagtgtta tgctggggcca 240
gcttaatgtc ttggtcattg acatggtcta cgagctttac atgcaacact 290

<210> 24601

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D3

<400> 24601

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aatgttacia agtttgttgg tgcatttatg gggaccacag accttaagat tccatcaaac 120
aattccaatg gtgctgcacg taaaaatttg ccagcaagag catgttgtgt tgtggtagag 180
tatcttgctg gaggaacttt gaagcaatat ttgataaaga atagccgacg gaagcttgct 240
tataaagttg tgggtccagct tgcattggat ttggccagag gattgagcta tctgcactcc 300

<211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-D6

 <400> 24604

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 gacccaagg ctttccgcaa catctgccgc gaccgtacgt ctgcaccacg cgcgcgactt 180
 tgattgatct ccgtctcttc tcacgtcgtc tgctttacga attgacgacc cgactgctcg 240
 gttccgctgt tgctcgtttg tgctctctc agggatactg aaggacctgc ttaagcctga 300
 caaggataag gagacaaaaa gtcacatgaa ggtacatagg cgtaatatat ttgtcgctccg 360
 tgcgcatgca gcttgatcta tgcacattct ggtggtactg cttcatgtgc tcagattcct 420
 actatctttc attttttg 438

<210> 24605
 <211> 369
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-006-Q1-K1-D7

 <400> 24605

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 gttccttgcc cgcgagcgcc cagatccgtc ccgccgccgg atatatatat caatcaatgc 240
 ccctgtgata tcgatgttca gttgatgcag tggtgaaaac atcttctcca aaaactgctg 300
 gctgcaagtt gcaaaaatct gtctttccct tggtgtgttg ttgcttcctt ctctggtgga 360
 gtacacggg 369

<210> 24606
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D8

<400> 24606

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aacaaaacac aaggcggcgt ccgcagcttc cccactccac gttccgtggt tccgactccg 120
gtgactccac caccagcaac ccgtgcagcg agcgactcc gaccatcgcc atgtcgaggc 180
gcggcgactg ggtctacgag aacaacggcg ggacctgctg ggccatcgcc ggcgctgatt 240
actgtgtcgt ctctgcggac accgcctct ctgtaggata cagtatcctc acgcgtgatc 300
actccaagat ctgcgacctg gctgacaaat gtgtactggc atcttctggc tttcaagggtg 360
atattaaggc tctg 374

<210> 24607

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D9

<400> 24607

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gcgtggacaa ccggagcgta gtgggagggg atgatggagg gaggtagccg cgcggatggg 120
cggaatccga accagctccg gccgttcacc tgcaccggga acccgctcca ccgcgcccac 180
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ccgggaaccc ggaagggcga gaaccccgag aaggcctcca tcgaggctgt gtggaagccc 300
aagaccggcc agatcggaag gcaagaaagg gaatatgaga tgacactcaa gaggacgttg 360
cagagcatct gcttgctcac agttcatcct aacaccacca cctctgtcgt gcttcagggt 420
gtgggtgatg atg 433

<210> 24608

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E1

<400> 24608

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 cgtcggcgct caagtcgtcg ctgggctct cgcaggaggg gctcaactgc ctggccacgg 180
 cgtcggacct gggcaaggcg ctgggggtgt cgtcgggcct ggcgctgctc cacatgccgc 240
 tccacgccgt gctcatgctg tccgccgga tggggctcgc cgcctacgcc gcgcagtact 300
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<210> 24609

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E10

<400> 24609

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 gcacctatga ttgacaaccc agatttcaag gatgatccgt acatttatgc atttgacagc 180
 ctgaaataca ttggcattga gctgtggcag gttaaatacag gcactttgtt tgacaacatc 240
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 aaggaggcag agaagactgc tttcgatgag gctgagaaaa agaaggaaga agaggaagcc 360
 gccaaaggtg gcgatgatga cgatgatgac ctagaggatg aagcagacga tgacaaggca 420
 gacgatgaca aggccgac 438

<210> 24610

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E11

<400> 24610

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 gaatttctcg atggtcatcc tggtactgcc gcgaaacgcg gtgatcccgcc tccacaacca 180

ccttgggatg acagtgttca gcaagctgct cctgggggtcg atgcacgtca agtcgtacga 240
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ttcgtcctcc gatggcccat gcctgaagct agcggaactg gtggtggacg acgtcttcac 360
ggcgccctgc gacaccttcg tgctgtacct gacggcagga gggaacatgc accgggttcac 420
cgtcattggcg ccct 434

<210> 24611

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E12

<400> 24611

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gagagaagat aagagaacga ggggcagggc agccagcgcc gctagctgaa gcaaggcagg 120
gcaagagaat ccgtacgtcg aggtgcaggt cgtaggtagg atggacgcgg accagcaggg 180
cgtggttgcg gcggcggtga agccggcgct ggccaagggg acgccgtcgg cgtcgttccg 240
gctccgcaac gggagcctga acgcgggtcg cctccgccgc gtgttcgacc tgttcgaccg 300
caacggggac ggcgagatca ccgtggacga gctggcgag gcgctggatg cgctgggcct 360
ggacgccgac cgcgcggggc tgtccgccac cgtcggcgcc tacgtgcccc acggcgccgt 420
gggc 424

<210> 24612

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E2

<400> 24612

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ggctacggcg gtggcgggcg ctacggtggt ggcggcgggc gctacggtgg tggcggcggc 120
ggctacggcg gtggcaaccg tggcggcggc tacggcaact ccgacgggaa ctggaggaac 180
tgagcgggtg ggcccgcgcg gccaaagttat cctgttcgct accgtgttgt ttaccctagt 240

ccagagtgtt tatcttcgtt cgtctcgtgt ttgttgttg ccattctgtt ttttgattga 300
 aggtcgctct gtgtcagttg ttagtgctgt gttcatcctc ggcttcagca gacccatgca 360
 tcaaccagca tgga 374

<210> 24613
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E3

<400> 24613

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 gggaagcctt accatagtgt gaactttgta attgctcatg atggatttac tttatgtgac 120
 cttgtttcat ataactccaa gcacaatgat gcaaatggag aaggtggtcg tgatgggtgc 180
 aatgacaact acagctggaa ctgtggcatt gaaggagaaa caaatgattt gaatgtgcta 240
 agtcttcgtt caaggcaa at gaagaacttc catgtggcat taatgatttc ccagggtact 300
 ccaatgatgc tgatgggaga tgaatatggt cacacacgtt atggaaacaa caatagctat 360
 ggacatgata cttaca 376

<210> 24614
 <211> 204
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E6

<400> 24614

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 ataatatata atggaagccc tgggctttga ttattgggga agccccaacc agaatgcgga 120
 taggccacca ccccgcatga ttacgttagc atttatgctg gtataaccaa attatataat 180
 tttcatatac tatgcaatga atct 204

<210> 24615
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E7

<400> 24615

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gagcgtatgg ccagggatat tcgctgaaac ctcaggaata cgctcatggt ccctatggac 120
gaggagcccc accgggctca ctgggatttc tcgccggtgt tggcagacaa cgccgacccg 180
ccgtgcgcgg tggccaagct tcaactgccgc ctccatcttg gagaacgata cggtcgaaga 240
gcccagaggaa ttgcgaggag aagcccctga gcagcagtcg tttggtggag gttgtcagca 300
ttgcaaccac tgctcaggcg aagatgaagc tgtggaagga gacttccagg agttccaaga 360
ttacgacgag ttctaggtgt gg 382

<210> 24616

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-006-Q1-K1-D2

<400> 24616

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taagctctat ctcaccgcag caactcctca ttacaatcct tcaagagagc agcactacac 120
tacactacat tagagagagg tcgagcgccc ctctccgat ccgccggccc gccgagagct 180
agctgctgat cggtcgagga gagtcatggc gacgtcgacg atgcgcgttg ccgccggcgt 240
gctgctggtc gtgtcggcgc tggcgacctt ggcccgggcc gaggaccctt acctgttctt 300
cgagtggaag gtgacgtacg ggaccaggtc cctgctggga gtgccccaga aggtcatcct 360
catcaacggg gaagtccctt ggccccagga tcaactgggt cttca 405

<210> 24617

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B9

<400> 24617

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gttttattat aaaaaataca gacttgatag tg

92

<210> 24618

<211> 346

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-006-Q1-K1-C1

<400> 24618

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gcagaagcag cgggtcgacg cangtggatg tcatcctggc cggcgtggtg attgggggtcc 120

tggcatttag cctgctgatg tgcacgcgcg cgtgcgtgtg ctgcgccaag aagaagagga 180

ggaagaagcc cccgcacatg aacatgccgt actacaccga cgagcacggg aacgtcttct 240

acgcgaacag catgcccgaag tggcagagca gcgcgatgga ccacggctgg cacgcgccgt 300

actcgcccg c aagcggggac atgagcggct cgcacgggcc ggggct 346

<210> 24619

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C10

<400> 24619

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cgcacctttc ttgtggtggc tagatcgttg tgggttccag aagaaccatc aaatgcggat 120

gacataagag gtgcttgcac cgaggagtgc accaaagaaa ataaggctcc tggcgacaag 180

aagacatgcg aagtgttgtg caccaagctc aaaaaaagc ctagcgaaga aggcaaacat 240

gattgatgaa gtagcactcc gataatatat accctagtgg atgagtggtc atctttgtag 300

ccatgtctgc cacacgatgg ccttgattat attgtcttat tgttttgttt ttggtttcca 360

ctagtatcct aattccttgt tcatgtaacc taatgtcact caaagcattt tatatgcttc 420

acttaattaa ataaa 435

<210> 24620

<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C11

<400> 24620

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agactgctgt tataacaatg ttcttgtttg cagatctggt tccagatcta gacctcccaa 120
tgttcctcct ctgatgcctc agttcatgag ggctcatggc agcatcagcg aacagtacca 180
acagaattca tcatctagct tatttgctgg ggcccatagg tcaggaggca tgcgacctgc 240
cccaacacct ctaccagaga accccacctt taccttgttc ccgccagggtt catctggcca 300
tagctcgatg gagactgatg atgctggggg aagccggttc tacgcctggg agggtgaccg 360
gtttgccccca taccggttga tgccggtaga ctgagagaca agctggcgga cctcacagca 420
gcagtcccac cag 433

<210> 24621
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C12

<400> 24621

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ggctcctcttc tgcacgtgc atggtgagaa ggaagagtca aagggcatcg atgcgaaagc 120
gtccgggcct ggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac 180
agacagcacg aaggctgtgc aggaggcatg ggcatcggcg tgcggcggca ctgggaagca 240
gacaatcctc ataccaagg gcgacttcct tgcggacaa ctcaacttta caggcccttg 300
caagggcgac gtgaccatcc aagtggatgg caatctgctg gcgaccacgg acctaagcca 360
gtacaaggac catggtaatt ggatcgagat tctacgctg gataacctgg tcatcaccgg 420
caagggaaac cttga 435

<210> 24622
<211> 366
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C2

<400> 24622

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taacaaaact tatagtgtgc ttcacacagc ttgtgcatgt cacattatta acttgatagt 180

gaagtgtggg ttgaaaaggc ttaaggatta tttagatgtg tttaggactg ctattaattt 240

cttaaactct tctaaccaga gaattgggtc atttagtaat tactgcaaag caaaagggtg 300

tagacctaga aaatttggtt taaacatgga tgttagatgg aattcaactt atcttatgct 360

aaaaca 366

<210> 24623

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C3

<400> 24623

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gcatcggcag cctagggcgg tacaaggacg agaaggacgt cacggacatc aacgtcaagg 120

attgcactct taagaagacg atgttcggcg tccgcatcaa ggcgtacgag gacgccgcct 180

ccgtgctcac cgtctccaag atccactacg agaatatcaa gatggaggac tcagccaacc 240

ccatcttcat cgacatgaag tactgcccc acaagttgtg tactgccaac ggcgccttca 300

aggtcacggt caaggatgtc accttcaaga aca 333

<210> 24624

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C4

<400> 24624

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agaagtccta gctcagatct accgtattgt gagcaagaga gcagttgaag caggtgaaga 120
 tgcagcatct gggcctggca ggggcgagaa gataaacata aaggatgacg tctcggcagt 180
 gaagaagggg ggctgctgct ctagctgagc tgccgtgctg taattttttt ttgggagttg 240
 tgggatgtag cttatgttat ggcattttca gcgactggaa attggtagtg gcatttagca 300
 gcctctatta cctagagagg taattgtcaa actgaaaaaa aaaactgaag gttagatcag 360
 tttagagctc tgggtact 377

<210> 24625

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C5

<400> 24625

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 agccgcagca tggcatcatc ggccgcgctc ttgggtgctag ccctcgcgct agtggcggcc 120
 accgccccac aggtagcgga ggcaaagaag aagagagcgg cggagagcgg cgaggcggcg 180
 gaggcgaaga agatccagga cgacttctgc tcgacgctgt gcgagggcaa gaaggggacg 240
 gacctggctg tgtgcaagga gtcctgcgct ctctcccagc agtccaacct ggtgctgtac 300
 ggcaggatcc agtgcaaggg caagtgcacc gagcagaagg gcatcacggc gccggccatg 360
 aaggtctgcc aggaagagtg cgacaaggcg tacgtggtg 399

<210> 24626

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C6

<400> 24626

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 ctggtaaaat ttgacgagaa gctcaaggag gacctcgaca agatgcttga gcgcgccagg 120
 ctagccaacg agcaacgcta cattgatgat gatgaatagc tgttcagatt tgtttgtcag 180
 tgacctgtat ttttttgcaa catgttgtca gtacacatgg tcaggactgt ggatccccca 240

tgacttagtt gttgcctcag cttccacatt tcaactgtgg ctttgaata aaatgtcggt 300
 gcccaatgga tctgatggat cacaattgta agctacaaat tatgggcttt gaatatgatc 360
 gcttactttc tct 373

<210> 24627
 <211> 380
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C7

<400> 24627

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 gccacctgcg gctggaactc ggtccagcct gtctttagt agccgtagag cgggttcgcg 120
 ttggccgcct gcgcgcagac gaggcgcggc acgcgggtcca cgagcccagag gacacggcac 180
 atctcgaacc cctttagtaa ggcgtatatg ttccccaggt tgcctcccgg cactgacacc 240
 cagtcgggca cctcccagtc gaactgctgc agtatctcga tggccgccgt cttctgcccc 300
 tcgaggcgga gggagttgag cgagttggcg aagtagatag gcagctcggc ggtcaccttc 360
 ctgatgagcc gcatgcaccc 380

<210> 24628
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C8

<400> 24628

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 tctgcactct gcttagctcc gagcttcagt gccttcgttg ttagctgtta gctccacagt 120
 ccacagttcc acacacacgt ccagctgcac tgcaccaatg gccgccgtcg aggtccaggt 180
 cccgactgcc gctcccgtcg aggaggctgc tgctgctgct gcagcgggag tggaggctgc 240
 ccagctggcc gccgtcgaga ccccgaaacga ggagaccgct gctccggcgg cgagaccga 300
 ggctcgtcgcc gctaaggagc cgggtgctggc cgaggccgag actgagtcca aggaagtcga 360
 ggt 363

<210> 24629
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-C9

<400> 24629

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 catgaaaaca tacttgatgt caacttatac tattgcaatg caaaactctc ccagtctaca 180
 actacaagct acgcgatgca attgctaatt acagtctctg acacttgctg ctcatgatct 240
 ctgaaaccct tagcatcaga acacgatacc actgatactt ctctaaggaa agacagttga 300
 tcaacattaa acactcacat tctatatcat ttaccatta aaaggaacat ttgcattgca 360
 accat 365

<210> 24630
 <211> 367
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-006-Q1-K1-D1

<400> 24630

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 attttttgaa gccagtttg cgcatttcat cgagatcatc ttttaaactc accaattctg 120
 tgaagagtgt agatagcaat ttctctagca cttcaaggaa ggatatctct gaagatacaa 180
 gagaatttgt tggagagctg aatattacag tcgtgaaagg tactaacttg gccgttagag 240
 acatgctaac aagtgatcca tatgttgttt taacactcgg agggcagaaa gctcaatcga 300
 cagttaaaaa aagtgatctn taatccgtat ggaatgaaat gcttaagatt tctgttcctc 360
 gaaatta 367

<210> 24631
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D10

<400> 24631

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gccgctattc ctctgcccc atctctccc gateccatcg agcccaaacc ctagtccagc 120
cagatctcca ccgccgccgg cgagagcacg gcatcagatc cgccgcgatg gcgttccgcc 180
gcatcttata cacagcgggtg cgccgccgct eggccatcgc cgccgcagcg tccgggaacg 240
cgcgcgaggc ctccacggcc gtcgccggcg cgccggcggt gctagcccc gacgcgaccc 300
cgggtgcgcgc tcccgtgatg ccgtacgata gcatcgccga agccgttaac gccaggctcc 360
ggcggttga gacccagac ccgcgttcc tccgctatgc aagccccgtt ccgtcccacg 420
ccgaccacac g 431

<210> 24632

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D11

<400> 24632

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gggagatacg cgggtctggga ctgatacttg gaactgaatt tgtcgacaac aaatctccaa 120
atgatccatt tccagctgaa tgggggtgttg gttecatatt tggcgcgag tgcgagaagc 180
gtgggatgct catcagggtg gctggggaca gcatcatgct gtcacccccg ctgatcatga 240
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aacggattgg agaactgaaa tccaggaaga attagccgat gctgctggtt gtaacgacgg 360
tgaggatggt gatggcagca gtatatattt aaactttatt tcagtaaagt gctgggctgg 420
aaccttgtag tcg 433

<210> 24633

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-D12

<400> 24633

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aggcgagcct cctcctgcag aagcagctca gagatctcgc caagcaccgc gtggatgggt 120

tctcggctgg gctggtcgac gatagtaacg tattcgagtg gcaggtcacc atcatcggcc 180

cgcccatac cctatatgat ggagggtact tcaatgcaat aatgagcttc ccagaaaatt 240

acccaaacag cccgccatca gtcagattta cctctgaaat gtggcatcca aatgtttatt 300

cagatgggct ggtgtgtatc tctattcttc atccacctgg tgaagatcca agtggttatg 360

agctcgcaag tgagcgttgg acacctgtgc atacagttga aagcatagtt ctgagcatta 420

tatcaatgct ctctagtcca a 441

<210> 24634

<211> 324

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B6

<400> 24634

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tactcgtggc cacggccata gccgccgctc ccggcggttg gtttgcgtt accggccgca 120

tctactgaga caactgacga gccggattcg agacaaacgt gtcccacgcc atccaaggct 180

cgactgtgga gatggagtgc cgtcaattcg agtcgcaaca ggtccacgac aaggcggatg 240

cgaatacggg ccccggtgc tggtagagga tggagatcag cggcgaccac caagacgaga 300

tctgcgacgt gcgcctgctc aaga 324

<210> 24635

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A10

<400> 24635

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ggtcatgagg aacattgtaa ggggtgatga gccagtaagg gttgcagcaa ttgagtcgta 120

agtcataaga accaaatata tgtacgttgt tcttgagacc ttgtggtagt cgagatgata 180
ctttcacttc tccccaatgc ctggagatga tgattttaga gtagcatctg ttaacacatg 240
tgaaactcgg cctgctccta gtagcagaat aatacgaaac actgagaaaa cagtgcgcgc 300
ctggacagaa atgtctatgg caaggttgcc cgttggcgta tgtacctgta agagtatctg 360
taccataccg agatttggaa tcgatgcttt gctgcta 397

<210> 24636
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A12

<400> 24636

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gcgtcgagcc ccctatcgcg gggttaccgg tgatctcgtc cgctcccagc cggatacctc 120
gttccattca aaggcgcccc tggcgtgggt gtctaccgaa ggcgatccat acttcattct 180
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agccgaccgc aaggaggcct gtcgactgag ggctgaggtc cttgggtctga aggcagaggc 360
agaccaccgt gaggaggtgc tacggtgggc gcaggagggc cttcaagcgg tgacggaaga 420
acgt 424

<210> 24637
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A2

<400> 24637

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aagggccccg gtgtggtgaa ggagatcttc attggactga ccctgggtct gatcgcgga 180
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cttgacaagg gccagatcag cgttgtcgtc gaggagtaaa gagttcttcc cagttatttt 300
 caaagaactc tctcgagagc atgacaaagt gattgcttgc tgtggagatt tgtcctggaa 360
 ataagcccaa ccatttggga acaccagatt tt 392

<210> 24638
 <211> 118
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A3
 <400> 24638

aaaaaaaaa aaaaaaaaca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 gagaaaaaaaa aaaaaaaaaa aaagaaaaaa aaaaaaaaaa aaaaaacaaa caaaaaaa 118

<210> 24639
 <211> 269
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A4
 <400> 24639

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 tgcccgcgtc tttgatgctg gcctcctcgg cgcattcgcc atggccggcc acgcggaaga 120
 cgccgaggtg cggttgcagg agatggtggt gacgtgcggt gacgagagcg tcgacagcta 180
 cacgctcacg gatgctgttg tgtacgttta attattggga tgtaattatt agtgatctgt 240
 gcagataaga ttttggggaa aaaaaaaga 269

<210> 24640
 <211> 405
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-A5
 <400> 24640

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 atactttccc cgttctattg ctaccgcggg tcttatgcaa tcgatcggat catatagata 120

tcccttcaac acaacatagg tcacgaaaag gatctcggac gactcaccaa agcacgaaag 180
ccagttagaa aatggattcc tatttgaaga gtgcctaacc gcatggataa gctcacatta 240
accggtcaat tttggatcca attcgggatt tttcttggga agtttcggga agaaattgga 300
ataatatcga ttcatacaga ggaaaaagtt ctctattgat gcaaacgctg tacctagagg 360
atagggatag aggaagaggg aaaaatcgaa atgaaattaa ttaag 405

<210> 24641
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A6

<400> 24641

cccacgcgtc cggagagaga gagtgagaga gtgagagagg cctcacgcgt tcgacgtgga 60
ttctgtagac gagctgcagg cgtcggcgct cgcgccatga cgcgcggtac gccatggcga 120
ggtgggcgac ggcgagcgcg agcgacatga ggaacatggc ctcgacggcg acgagctggc 180
cgttgccccg ccacacgggc gcgcgccga agacggcgac ggccttggcg aggacgtagc 240
agacggaggc ggcgctgcag ggcgagcgga cccacctgta ggcggcgccg tcgacttcgg 300
ccggggcgta cgcgagagg atgatgagg 330

<210> 24642
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A7

<400> 24642

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ggcctactgc ggaaagtaca aggatgagct catcaagaat gctgcctaca ttggcacccc 120
tggcaagggt atccttgctg ctgatgagtc cactggcacc attggcaagc gcctttccag 180
catcaatgtc gagaacgttg aggagaaccg ccgtgccctc cgtgagctcc tattctgctg 240
ccctggtgct ctccagtaca tcagcgggtg gatcctcttc gaggagaccc tgtaccagaa 300
gaccaaggat ggcaagcctt ttgttgatgt cctcaaagag ggaggcgctc tccctggcat 360

caaggttgac aagggcacca ttgaagttgt tggcactgat

400

<210> 24643

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A8

<400> 24643

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cgccgcggcg gagaagactt tccgcggagg tggaggcgga ggctacggcg ggttggaggc 120

cggtggcgga ggcggcgggcg gctattccac cccgagcgag gcggcgccat ccacgcctgc 180

cgctggggag acgactaccc cttegtcagg cggcggttac tccactccta gcgtggcggc 240

gccatccacg cctgccgctg aggagacgac gacgactcct tcgtcaggcg gcgggggtta 300

cggcggtgca accggcaagg cttectcagg cggcggtga ctggaccccg acggtgaccc 360

aaaagttggg ctg 373

<210> 24644

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-A9

<400> 24644

gggatcctag caagagacca aaggccgcag aagtctcca gcataccttt tttcagggtt 60

ggacatgtgt tccacttctt gtccgtccaa aagcttcac acttcttaga acacctccat 120

gtgttggatc aaaaggaaat tcagagaaca gtgtggctag aagatttca actggaactc 180

tatctacaat gaaatctcat agcaatgcat ccgcaaaatt aaatggttta tctaagactg 240

gtgtacaaag aaaacttaat ttggatcgtc agccatccca aaagggtatg aagccaaccg 300

agactagtaa taaactaact acgaatcggg taccagctcg gaatagccca gggaatcctg 360

tacttaggca ttcacggagc ttgcctgaaa ctggccgagg agcaatacag aaggtctcat 420

caattacaga gaaacta 437

<210> 24645
<211> 368
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-006-Q1-K1-B1

<400> 24645

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cgatggctcc caagatccta gtcacacctg tgttctctgc cgtggcctca ccggtgctc 120
tgcccgctt cgatgtgata gagatgctgg ccgacaagcc cacgtactcc acgttctga 180
agctcctgca ggacaccaag gtcgcgggag aggcgatca gtcgggtcg gcgacgtac 240
tggtcgctcc cgacaaactt gccaaagctc tggcgctcgt gcccgccgat aagggtcggc 300
cggcggtgga gaaccacgtt cttctcaatt acttcgaccc catcaagctg gacgagatta 360
agacacgc 368

<210> 24646
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B10

<400> 24646

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gggtgctcct cctggccgac atcgcggtgg caccgttcgc gggcgccgca cgcgtggacg 120
tcgtggaggg taggtccatg gcatccgccc atgcaccgga ggcggcggcc gatgctcccg 180
ctcctagccc cgactccgccc tcacccccag actcatcgtc agaggcgccc tccagcagca 240
gtcctccgca ctagacgcaa aaacctcttc attctctgga ataactaaca gtatatacgt 300
tgcacctga tgatatagaa acatgtacgt gcatcagtgt atggaatgcg agtggcaaac 360
acatggaatg tgcttgccca attattggtt atttctttat ttattatatg tctctctcgg 420
gtggttttta tttttc 436

<210> 24647
<211> 312
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B11

<400> 24647

aaaaaaaaa aaaaaaaaaa aaaataaaaa ataaaaaaaa aaaaaaaata taaaaagaaa 60
aagaaaaata ataaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 120
aaaaaaaaatt cggttaagggc ccaattttta aaatccaaat ttaccatccc ttttattaaa 180
actataaatt ttttttttgg gtacctctaa ttaaattact tggcccctaa tttaaaattt 240
atcaatttgt aaaaccctta gattcccaaa tttaattatc ctttgaaata aatccctttt 300
tataaatttg ac 312

<210> 24648

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B12

<400> 24648

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aggtcccgca tcgatgcaac atgtcctgat tcttaaaagg aacatgttgt catccacaca 120
actacaaatc cgtactatga aaatacattt ctaattagac cgaggaaacc atgaagatgg 180
atggaagcag aacacccaag gagaccaaaa gggagaccag caaggcaggt ccgttcgagg 240
tggctgaagc cgaaccagcc ggccggccgc ctgaaccagt ctgcggggta gcagccttgg 300
agcccggtccc cgaaagcatg tctctgaacc agtacgccga gtccttgggg taccgcttca 360
gcgtcgcgaa gtcgacgtag acgatgccga acttggacgt gtagcccgac agccac 416

<210> 24649

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B2

<400> 24649

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cttctgtgtc gtgcatgggtg agaaggcaaa gtcaaaggac aacgatgcaa aagcgtccgg 120
 gcccggtggg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca agacggatag 180
 cacgaaggct gtgcaggagg cgtgggcac agcgtgcggc ggcaccggga agcagacgat 240
 cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc catgcaaggg 300
 cgacgtgacc attcaagtga atggcaatc 329

<210> 24650
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B4

<400> 24650

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 ttggccggca ggtgcagcac cttccgcgcg cgctgcatct gcactaggca gtgctaaaca 120
 agatcgctcg atcgctcgcc atgcatcgac aacctattct taataacgtt cattatctcg 180
 ttcttattta tgacgaatgt catgtatgtt ctggtgactg tcatgtatat tctgatgact 240
 gtcatgtatc ttgttcatgt atgctcaagg ttcattatct tgttcatgta ttaagtatgt 300
 tatgaataac tcaatattta ttattttgtt catgtatgaa ttatcttcta atgagctcaa 360
 ggttcattat cttgggcaag gactcaaggg tcattatttt attcatggat gccagggtatt 420
 ccaaaa 426

<210> 24651
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H9

<400> 24651

atcacaataa gatggcgtgt atagacaatg caatgagagc cttgttcctt ttagcgctct 60
 tgtgtggcgt gcatggtgag aaggcaaagt caaaggacaa cgatgcaaaa gcgttcgggc 120
 ccggtgggtc cttcgacatc accaagttgg gcgcctgcgg caatggcaag acggatagca 180
 cgaaagctgt gcaggaggcg tgggcattaa cgtgcggcgg caccgggaag cagacgatcc 240

tcatcccca gggcgacttc ctcgtcggac cactcaactt cacaggccca tgcaagggcg 300
acgtgaccat ccaagtgaat ggcaatctgc tggcgaccac ggacctaagc cagtacaagg 360
atcatggtaa ttggatcgag aatctacgcg tggac 395

<210> 24652
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-B5

<400> 24652

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cagaatggca aacatggaag cgacacaggc gcctacgacg ctcaaggaag gttcgttccc 120
gcgaagctgg acgagatggt caccaagcac gccaaagaccg taccgaacgc tctgacgaaa 180
gacgagctcg acgagatgct caaggataac cgggagaaga tggacgtcgc aggatggctg 240
ggagccaagt cggagtggga gatgctgtac aagctagcca aggacaagga cggccgcctg 300
tccaaggaca ccgtcagggc cgtgtacgac ggatccctct ttt 343

<210> 24653
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G3

<400> 24653

cccacgcgtc cgcccacgcg tccgcccacg cgtccgagta gaagagcctg tgaccgagga 60
tgctggtgac cagcagatag aagtagctga gcaggagctc attgaaggag aagaacaggt 120
ggctcaggag gagcctcaaa gcgaggagtt tgatctgac taggtggcgt ttccccagtt 180
gacttttgcg ccaaggatga tcttttagttc gttttatatt tatcttatat tttgtaataa 240
gacttcctct atgtgataaa tactttgatg atattgtgac atttatctct atacactctg 300
ttattat 307

<210> 24654
<211> 471
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G4

<400> 24654

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agatcaaata gctgcgacta gctaggggtt cgtcgcctca tctctcgtcg atccatcgat 120

ggcgccgag ggcgacaaca agaggatgat cacgctcagg agctccgact tagaggagtt 180

cgagggtggag gaagcggtgg ccatggagtc gcagactctc cgccacatga tcgaggacga 240

ctgcgcccag aacggcatcc cgctcccaa cgtcaactcc aggatcctct ctaaggatcat 300

cgagtactgc aacagtcacg tccacgccgc cgccaaacct gctgactccg ctgcctccga 360

ggcgccgag gacctcaaga gctgggacgc gaagtctgc aaggtggacc aggctacgct 420

cttcgacctc atcctggctg ccaactatct gaacatcaag ggattgctgg a 471

<210> 24655

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G5

<400> 24655

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cgtgccaatc tccagtgcgt gttcttcagt ggaggcgccg gccggactcg cgatggagcg 120

ggacggccag cagaccgcc gcgacaagct catcatcgat acggatcccg gcatcgatga 180

tagcatggct atcctaattg cgttcagagc acatactctg gaaatcattg ggctcacgac 240

catattcggc aacgtcgaca cagaaggcgc aacatgtaat gcactattgc tgtgtgagag 300

agcaggacat cctgaggttc cagtagcaga ggcagccac gagcccctaa agggaggaaa 360

gccccgtatt gctgattttg ttcattgggc agatggcatt gggaatctgt ttcttctgc 420

accctctgct aagaaggttg aggaaagtgc tgctgatttc atg 463

<210> 24656

<211> 159

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G7

<400> 24656

caccgtttca gtaggttcca ttgttcata tagcctgaca tccttgctgt gcttcctgct 60
ctgtgagccc atttggtatt taattcattc aattagttga aattat'acgc t'gtcgcactg 120
gctgatcaat catgttgtag aatgggccag gaacccttc 159

<210> 24657

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G8

<400> 24657

gcgcgcgctc gtcgccggcg ggtcgtgcgg gccccgaag gtgccacccg gcccacacat 60
cacgagccaa ctacaacggc aagtggctca ccgctagggc cacctggtac ggtcagccca 120
acggtgccgg cgctcctgac aacggcggtg cgtgcgggat caagaacgtg aacctgccac 180
cctacagcgg catgacggcg tgcggcaacg tccccatctt caaggacggc aagggtgctg 240
gctcatgcta cgaggtgaga tgcaaggaaa aacctgagtg ctcgggcaat ccagtcacgg 300
tgtacatcac tgacatgaac tacgagccta tcgctcccta ccacttcgac ttgagcggca 360
aggccttcgg ctccctggca aagcccgggc tcaacgacaa gattcgccac tgcggcatca 420
tggacgtcga gttcagaaag gtgcgatgca agtaccac 458

<210> 24658

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G9

<400> 24658

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gctgggcgcg cccgtccttc ttctcgcct ccgttcggtt ccgttcgctc ccgcccgcg 120
ccgcccgcgc attcagggat ggagatgaag aagatcgctt gcgccgtcct cgtcgccgcc 180
tcggcgggcca ccgtggcgct cgccgaggag gctccagctc cgggcccac cagcggctcc 240

ttcgccgctcg cgccccgccgt cggcgccagc ctcgggggccg acgtcggctt cttcttcgcc 300
 tactacattc agtgagccgg ccgcagccgg tcgcccggag gccgaagaag agactaagcc 360
 ggagagaaaag tgacatggct gcgcgca 387

<210> 24659
 <211> 474
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-H1
 <400> 24659

cccacgcgtc cggtgatttg aaataattgg gaataaatag ttcgtgaatc cctgaagcgt 60
 gcgatatata tattcctgcc aagataaagg taatggagtc gtcacgcagg ttccagccgg 120
 ccgtcatcct gcttctcctg ctcatgtgt ccaccgatat ggcacaggca agggaatgcg 180
 agaagtacag tgagcgattt gttggggcat gcatgatcgc agacaactgc gccaatgtgt 240
 gccgcggtga gggcttcttg gccggcaggt gcagcacctt ccgccgccgc tgcacttgca 300
 ctaggcagtg ctaaacaaga tcgctcgatc gtcgccatg catcgacaac ctattcttaa 360
 taacgttcat tatctcgttc ttatttatga cgaatgtcat gtatgttctg gtgactgtca 420
 tgtatattct gatgactgtc atgtatcttg ttcatgtatg ctcaagggtc atta 474

<210> 24660
 <211> 314
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-H10
 <400> 24660

aaaaaaaaa aataacaaaa atacacaaaa ttaaacttag acaacaaaca aaaaaaact 60
 atgctaagtc aaacatgcgc agacaagcac agtcaaaaga caaactatgc aaaaatgaac 120
 tggccccgtt gttccttcca acatcaccaa cttgagctcc ttcgacaata gcaaaactca 180
 tagcacatcc acttgccatg acgctacctc ataatccaac cgagacacct ggaaactcac 240
 gagcttcata ctcaaactca acatgctcgt atgaccactc atcttcacag gcctattccc 300
 ggaaaacttc acca 314

<210> 24661
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H11

 <400> 24661

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 cggggccggt cggcgggagg caggggacgc acgggcaggc agccatgaac ggcatacaacc 120
 ccaacggcgg gtctctgtcg tacgggaaca tggagagcta cgcgatgtgg gtggcgaccg 180
 gcgtggcgtc ggccttcttc gcgtccctcg agcgtgctc ctgcatccac ctccacaccg 240
 cggaggacga cggcgtcgag gaggaggagg acctcgagga ggcccggcgc tccttctccc 300
 gcccgatccc tgagtactac tacgaccggc cgggctcctc cgactccgtc gccaaagatgt 360
 gacctgaccg aaccgcgcct tccttcggcc aagaaatgcg tggatgatac atcccgttct 420
 tgatct 426

<210> 24662
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H12

 <400> 24662

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 cgtcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggccttg 120
 tgggtccttc gacatcacca agttgggcgc ctccggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattgg catcggcgtg cggcggcact gggaagcaga caatcctcat 240
 acccaagggc gacttccttg tcggacaact caacttcaca ggccttgca agggcgacgt 300
 gaccatacag gtggatggca atctgctggc gaccacggac ctaagccagt acaaggaaca 360
 tggtaattgg atcgagattc tacgcgtgga taacctggtc atcaccggca agggaaacct 420
 tgaacggcaa ggccca 436

<210> 24663

<211> 240
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H3

 <400> 24663

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 tgatatctat ctcaacgcca agatatacat aatataaaca acacacaaat tccatacaga 120
 cctcattctg attatcctac tcattatgcc cactccatac aacacatata atgcaatacc 180
 acaattacac acctctatac ctcttcact catactcgac accatctaca ccaatgtata 240

<210> 24664
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-H5

 <400> 24664

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 gggcgtgcct accgtccgct cgtccgtcct gttcttcgct gtcgtcgtcg ccctcagcag 120
 cagctcgctc gctttatcca ccttgagtga cgagttaatg cctgagtgct gctgacctga 180
 ccaagtgacc accataccat cctgctcctt tggacctttg cgcgcgcgga ggacagttgg 240
 tgctggcacg cacggcaacc atgcacgacg acacagcggc aggcttgttt gcgatcgtgg 300
 cgtggctgta caccgccacg gagcgaggtg agcacgggtg gctggcagcg tacgtcaggc 360
 ccgggtcgctg ctgtacggng cggctctgta cactgttggc gagtcgtcca tgttttccgt 420
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<210> 24665
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-H7

 <400> 24665

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ctgcataatt accttataac aaaactttat agagatgatc ttttgggaaga cttgctcaaa 120
gaacctgatg agataaccat aaagaggaag cagatacgtg aaaatctcaa ggtccttcaa 180
caagcttaca aaacttttga cgagatacca cttgacgcag aggcagtaga gaggggtgga 240
tactccctgg attctgatgc gattgggtctg ccaagggccc atgggctttc ttcacccctc 300
cacggattca acgatggaag ctccacatat tcaaccccgga agcagtcaag gtcaaggagg 360
tcaaaccatt ctggcgagca gcttcctttc aacccaata tgagtggcaa tggtttttga 420
tgccaccctt ctacgttaca agacggccaa ccagattggg tatgg 465

<210> 24666
<211> 471
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G2

<400> 24666

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cgcggtgttgc cgtgcttaca tgagtctaag cgatcttcat ccacccttct gctctgctcc 120
ctcgaaatgg aggccacgag caacgcgatg gcttcaggcc tcctccttct gctgcttctc 180
atcaacacag gctttgtcct gcccatccat tccgaggact gctgggccaa caccgcgctc 240
atctgcacca tcacgcacaa ctgccgcaac gacacttgct cggagcgcag catgcctcac 300
ttccgctgcc actgtgagtt acccaacctg aagcccttct gacagtgcct gcgccccaac 360
tgccactagt ccggtcgctt cgtattggct cacttctcca gcgatcatgg atggagccca 420
actgctactg cccaatctgc ttcattcttt aatgtttaag gcattcttta t 471

<210> 24667
<211> 469
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F1

<400> 24667

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gcctctcaag cctgatatcc atcgcacaa ccttgcgtgg tgcagcccgg tctaatacaga 180
aaccctctgt ctctcttcgc gttgaggggc cagtttcctt gtcctcgact ccttccatgt 240
ctcccaagga caagctcaag ctcaaacggt tggccccagg ccaagtggag ctctcctcac 300
aggcgggggc aatccctgct atcacgaag acgaggatga accacataac cctggattgt 360
ggcctctttt gtctctgaat ggttcagatg gcagcctgca ggggtttgaa gagctattgg 420
cctcagtact tggaaagaag gcaggcgaga agggtcctt caagctact 469

<210> 24668

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F10

<400> 24668

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ggcgtggacg ctcgagaagc ccatggacct gaagaagggc gtgaaccacg tcgcgtctt 120
ggcatcgctg atgggaatga cggacagtgg cgcttacatg gagcaccgtc tggccggcgt 180
ggacaggggtg cagatcacgg gcctgaacgc gggcacgctg gacctgacga ataacggctg 240
gggccacatc gtcggcctcg tcggcgagaa gaagcagatc tacaccgaca agggcatggg 300
cagcgtcacc tggaagccgg ccgtgaacga caggccgctc acctggtaca agaggcactt 360
cgacatgccg tcgggagagg acccggtcgt gctggacatg agcacgatgg gcaagggcat 420
gatgttcg 428

<210> 24669

<211> 128

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F11

<400> 24669

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atataaaa 128

<210> 24670
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-F12

 <400> 24670

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 tctactactg gcggcggcgt cgacagcgac ggcgcatctc acggtcggcg atgtggatga 180
 gtacgtgtcc aagcgcacgc aggagtcccg ccacaggaac aacggtggcg cgggcatcga 240
 tgacctcatc tccagtgcgg cgcgcttcca cgccaacgtg gatgcacgcg cctatggccg 300
 tagatccgac ctgcaggagg aggcaacagc taccgtaata accaaagcgg aagcacaaga 360
 ggcttcagct gaaggtggcg attaacctac ctaaccatat tattttattca ttcatatgca 420
 tgcacccctg ntgctatg 438

<210> 24671
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-F2

 <400> 24671

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 ccggcgggga cccagtccgg cagggtgtgg tggcagcctc ccatgacgct ggccgagttc 180
 accatcggcg gcggcggcag ccaggacttc tacgacatct cagtgatcga cggctacaac 240
 ctgcccacgc tcttctcgtg cagcaccggc gtgaccctca actgcggcg gcccagctgc 300
 cccgacgctt acctgtttcc cagcgacaac accaagaccc atgcctgcag cggcaacagc 360
 aactaccagg tcaccttctg cccgtgagat cgcgcgtgcg aggcattgcg cagtgtggcc 420
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<210> 24672
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F3

<400> 24672

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 gttatttact cccttaccct gattccactt gttaagtacg tggtcattgt cttgagggca 180
 aatgataatg gccaaaggtgg aacatttgct ctttactcgt tgctttgccg gcatgcaaag 240
 ataaacacta ttccgaatca gcatagaaca gatgaagaac taacaacata cagccgccac 300
 acatatgatg agaaatctct tgctgcaaag atcaaaaggt ggtagagagg gcaccaattc 360
 agaaagaatg tcattcttat tcttggtctt tttggtactt gtatggcagt tggagatgga 420
 atcctcactc ctgcaatata agttctttct gcaactggag gaatacaagt gga 473

<210> 24673
 <211> 471
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-F4

<400> 24673

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 agcaacgtga ccatcagcag caccaccatc ggcgtcggcg acgactgcat ctccatcggc 180
 cccgggagca agatgatccg catccatggc gtcaagtgcg gccaggcca cggcatcagc 240
 gtcggcagcc tggggcgcta caaggacgag aaggacgtgg aagacgtgca ggtgacgggg 300
 tgcacgatcg ccggcaccac gaacggcctg cgcataaagt cgtacgagga ctccaagtgc 360
 tcgtcaagg ccagcaagtt cctgtacgag ggcataacca tggacaatgt ctactacccc 420
 atcatcatcg accagaagta ctgccccaac aacatctgcg tcaagtcccg c 471

<210> 24674
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F5

<400> 24674

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cgggcacgta ttccgccggcg tggaatttgc tccctcggca ttctaccatt tatcaatgca 120
cagattgtgt ttcaactcct tgcgcaactc taccctaaaat tgcaagacct tcatcggaaa 180
gaaggggaag caggaagaaa gaacgttctt cactatacaa gatatgcttc tgttggattt 240
gcaattgttc aggccattgg acaagttctt tatctccgta cctatgtgaa tgatttcagc 300
acagaatggg ttctaacatc tgtgacatta ttgacacttg gatcggtctt tactactttc 360
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agtataatat catatttgcc tgcacatca 447
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<210> 24675
 <211> 369
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F6

<400> 24675

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tctacccaaa attgcaagac cttcagcgga aagaacgtga agcacgaaga aagaaggtag 120
ttcaacatac aatatatgct tctgttgtat ttgcaattga tcatgccatt gtacaagtgc 180
tttatctccg tccctatgtg aatgatttca tcacagaatg gctactagca tctgtgacat 240
tattgacact tggatcgggc tttactacta tcattgacca aagaatatct gatctgaaac 300
ttggaaatgg cacatcactt cttatattta caagtataat atcatatttg cctgcatcat 360
ttgagagga 369
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<210> 24676
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-F7

<400> 24676

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gtgggtgggct ccgacgtcgc cgaggcgaac gcctgcttct ccgacctcga ggagcgccag 120
gtcgtgcgcg tccagggcac cgatcgggcc cgccgaacca tcgtccgcgt cgtcggcaag 180
ttcttcccg ctccagcaat tgatggtgaa cgtctgaaaa agtatgtgtt ctacaaactc 240
cacaccgaat tgcctgtggg tccattctgc atcttgtaca tgcacagtac tgtgcagtct 300
gatgataaca accctggagt gtcaatcttg aggacaattt atgaggagct ttcacctgag 360
tacaaggaaa ggcttcaggt tttctacttc ttgcatcctg ggcttcgctc caggctggcc 420
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<210> 24677

<211> 460

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-F8

<400> 24677

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aggggtggcc gccgatgtcg ccaacgccgg ccacgccaaag cccctgacgc ctggcgggcg 120
cgtggtacac cacaaccacg gcaagttcac ggccggggcg tggaaaccg cccacgcgac 180
cttctacggc gggcgggacg ggtccggcac cacggcgggc gcgtgcgggt acaaggacac 240
gcgcgcgcag gggatatggcg tgcagacggg ggccgtgagc acggtgctgt tcggtgacgg 300
cgcggcctgc ggcgggtgct acgaagtgcg ctgcgtggac agccctagcg ggtgcaagcc 360
cagcgcggcg aactggtgg tgacggcgac cgacctgtgc ccgtccaacg accagcagtc 420
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<210> 24678

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-F9

<400> 24678

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gtcagcggaa tcacgcctgt gaaagttgtt ttttctttg ttcccgaaga cagtagaaat 120
caaccttgta cattcatatg attgggaata agaccggtag gaaagctgta aaactcgacg 180
tgcttcctcg tatgtactgt tctgtttaaa attattcgac gttttgtcgg aacggaacgg 240
aggacctgta tggctgtata tgatactaatt cctatatatc acgcagtttt tgaagatttt 300
gtaaaaaaaa aaatgaagtg caaaatcctt aacatacaaa aaaaaaaagg gggcccc 357

<210> 24679

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G1

<400> 24679

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cgcgtgcgta cattaatcta agcgatcttc atccagcctt ctgctctgct ccctcgaaat 120
ggaggcgacg agcaaggcga tggcttcagg cctcctcggt ctgctgcttc tcatcaaacac 180
aggctttgtc ctgcccgtcc attccgagga ctgctgggcc gacacccgcg tcatctgcac 240
caagacgcac aactgccggg acgacacttg cgcggggcgc ggcattgccg acggccgctg 300
ccactgggag ttccccaacc tgggtgccctt ctgccagtgc ctgcgccccca actgccacta 360
gtccggggcgc ctccgattgg ctcaattcgc cggcgatgat ggatggtgcc caactgcgac 420
tgcccagtct gctccattcg ttgttgttta aggcataata tataaact 468

<210> 24680

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-G10

<400> 24680

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ggccggcaca catctaaagg cgcattggcca ttctccaccg cggatcatgg ttggcctata 120
tctgattgca ctgctgaagg actaaaggct tcattattgt tatcaaagat ttctcctgaa 180
attgttggtg gaccgataga agctaataga ttttatgatg ctgtcagttg tctgatgtct 240
tatatgaatg ataatgggtg ttttgcgact tatgaactca caagatccta tgcctggctg 300
gagctgatca atcctgctga gacctttggg gatattgtga ttgattaccc gtatgttgaa 360
tgtacatcag cagcaatcca ggccctgaca tcattcagaa aactataccc tgggcaccgc 420

<210> 24681
<211> 438
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-G12
<400> 24681

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cctccaacgc cggagcgccc tcctacggcg cggcggcgcc ttccggggggc tccgncgatg 360
ccccgcccgg cgcctccgag ggccctgcga gcgccagcgg cccgtctggt gacgacgcgc 420
cggcgtccgg tgctggtg 438

<210> 24682
<211> 382
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-E9
<400> 24682

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cagcgtccag aaggagagta cccttcacct tgttctccgc ctcaggggtg gtatgcagat 120

ctttgtgaag accctgactg gaaaaacat aaccctggag gttgagagct cggacaccat 180
cgacaatgtg aaggcgaaga tccaggacaa ggagggcatc cccccggacc agcagcgtct 240
gatcttcgcc ggcaaacagc tggaggatgg ccgcacctta gcagactaca acatccaaaa 300
ggagagcacc cttcaccttg tgetccgtct ccgtgggtgt cagtaagtca tgggtcgttt 360
aagctgccga tgtgcctgca tc 382

<210> 24683
<211> 427
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-D6

<400> 24683

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aaggaaacca tggaggggca tgtgccattg ccattgccat tgctcccga cggagaaaact 180
gcggtgggct acagcaagga cgccgncnct tctctctcgg cggtctctct gcctctgcaa 240
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ctcgacaggc tcgttgacct gaaaagaagc gttaggtct tctgccgggt ccggccgctg 360
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acggtca 427

<210> 24684
<211> 497
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 24684

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tttatgacat nttaatnttc tccgatgcagg cttattgatc atatcatcaa ttcagctgcc 240
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gctgctatca gggaccctga tcctgttatt ttctggaaa atgaattgct ttatggagaa 480
tctttcccag tttctgc 497

<210> 24685
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D8

<400> 24685

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agagcgcgag atcgatcgat catgccgggc cgctcggtag tctccatcct gtccttctc 180
ctccatggcc tcctctgcct gcagctggct gccttggccg agatggacga cgacgacgtc 240
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gcggatgagc ggcgcgacta tttccgcgcc atgcatgcca aggatctgtt ccggcacgag 360
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gagtcgtcca agctgccgga ggtcatg 447

<210> 24686
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D9

<400> 24686

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accactgggg cgtgcgcggg gagagcgacg gctacggcgt ctctcgtgatg ggggtccagcg 240
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 accgctacac cgacatcacc ggctgcaacg gccacttcac gaggcacgac cacgttatgc 360
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<210> 24687
 <211> 468
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-E1
 <400> 24687

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 gaacaatgat tcttgggtcca tgtgcccaat ccttcagaa gtaccacaag ccgtgtatgt 360
 tagttatgtc gatctttctt ctcaactgaa ggagtgttct cttcattgct ctctgtatcc 420
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<210> 24688
 <211> 437
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E10
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<210> 24689
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E11
 <400> 24689

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 aacggcaggg gccccgcgga ggcggggggc gccggcgccg gcgcgtcgca tgccgtggcg 300
 tcggggtctt tccagatcaa caccgcgggt gccacgttcc agcgctcgt caacacgtc 360
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 acacaac 427

<210> 24690
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E12
 <400> 24690

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 tggacgaaga ccacacgctg acgcagctcg ccaacgcatg ggtcgacctt gtgctgggtg 240
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<210> 24691
<211> 101
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E2

<400> 24691

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<210> 24692
<211> 468
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 24692

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gaggaggccg tcgcccacct caacggcctc gtccgggagc ccaccgacgc caagttcctg 420
gagctcaagt cgtggctctt ctncacgctc ggcggcacct tcacctgc 468

<210> 24693
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E5

<400> 24693

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tcgtttgctt gcagaggagg tatcatgaca atggatgtcg ccaagtcctc cgtgtcgacc 300
atatatatat gaagaataat aagaaaacac aaatacccaa gtatttagaa gcgttgaatc 360
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actgctctgc tggaatggtg tttcg 445

<210> 24694
<211> 467
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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actcgtatgt atctttaatg taagcagaat ttacttttgg tgcgtgcgaa taagaacacc 180
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ttcactgact gctagagccc ctctttgtca gtacagtgtt tgggtgctgaa tcaaaccac 420
tgaagatgcc aagttctgaa ccagacagtg atgatgtnt ctttgac 467

<210> 24695
<211> 188
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-E7
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 tacataccct ttaccacatt gtacaagatt cataccaaaa gacacaattc tataagatct 180
 aacttgac 188

<210> 24696
 <211> 458
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-E8
 <400> 24696

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 acagaatggg ttctaacatc tgtgacatta ttgacacttg gatcggtctt tactactttc 360
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<210> 24697
 <211> 472
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-D5
 <400> 24697

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 gtggtttgta catcgccgcc atctgctggc ggcccctcgc ctatctcgcg ttgtgcctgc 120
 gtgggccgaa ggacctgcac cgctacggct catgggcat ggtgactggc ccgacctccg 180
 ggctcggccg gtccatggcc atggagctcg cgcgacgggg cctcaacctc gtcctccttg 240
 acctcgacgc caacaacctc caggagacct acgaggccat caagtccgtc caccctgtga 300
 agataaggac tgtggttcta gacctctccc tcgtcgccac accagaaggc gacaaggcga 360

tccgacgtct gcgggaggcg atcgaggggc tggacgtggg gatactgggtg aacaacgcgg 420
 cggatgaacac gcctggcgca gtgtacctgc acgaggcgga catcgagcgc tt 472

<210> 24698
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C12

<400> 24698

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 ggcaagtgaag agggcatcag ccttggcagc tctttcatcc gcattgaatc catcgtcgca 120
 agggaaacag tcagatgaga ggcccacaaa acccagcagc acacaggcgc agtctcattc 180
 aggccaaggg tctcagagag ccgctgctgt tgcagcactt tccaatgttt tgactgcaga 240
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 gcctgatgtc tcacaggaac aaactgctaa cgaaaacgga ggccagacca ccttttagcta 420
 cgaccgcttg gtatcaaagt ctac 444

<210> 24699
 <211> 468
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C2

<400> 24699

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 tagtgatgat cttgataagc agaataaggt gacgggatct cgagtattca ttcctcaaga 180
 tgccaaggg gttatccttg cttttcttcc tggcagggat gttgtcaagc tccgcagtgt 240
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 tgcttgccgc taccaccagt ccattgcttg tttcacctcg cttgatcatg gcctagtcca 360
 catgtacaca ttgatcctg ccacaatgaa tttcagaagt gtggagctcg tgttctcaag 420

taggtttaac atgtcagccc cctgcaacgg cttgggtgtgt gcctatga

468

<210> 24700

<211> 467

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C3

<400> 24700

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ctctcaccct gagcggtagg aatccgcagg gctccagttg ggtgccagaa gcatccaagt 180

cgttggcggg agaccgggaa atggcgga aaagaggggc gaaggttggg gcggaagaga 240

tggaagagcg ggagcaggaa ggggaggcgg aggaggtgga ggtgaagttt cgtctcttcg 300

acggctccga catcggtccc gtgcgctgca acgcccncac caccaccgtc gccgctctca 360

aggatcgctg cgtcgcccac tggcccaaag ataaacaaat tatcccaaag gctgctagt 420

atgtaaaact aataagtgga ggcaaaattc tagaaaatga caagaat 467

<210> 24701

<211> 463

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C4

<400> 24701

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ggggccgaaa tctcctcccc ctttccaaat cctgggtcaa taatctctcc atcaggggat 120

cctaaggctg atcactgatc aggtcggagg actcggcggg cgcaggcatg aacgagaagg 180

cgcccgctct caaggagctc aacgccaagc acaagaagat attggaaggt cttcttcggc 240

ttcctgagaa tagagaatgt gcagactgca agtcaaaggg tcctcgatgg gcaagtgtta 300

atctcgggat ctttatatgt atgacatgtt ctggaattca tagaagcctg nggggtgcaca 360

tatctaaggt aagatctgct accctggata catggctgcc agagcaagtt gcatttatcc 420

aatcaatggg aaacgaataa gcaaatagcc attgngaagc aga

463

<210> 24702

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C5

<400> 24702

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agcgacgccg cgtccaagga cagggagatg caggtcaccg tcgccttcaa ccacttcggc 180
aaggggctgg tgcagcggat gccgcgctgc cgtcacggct tcttccacgt ggtgaacaac 240
gactacacgc actgggtcat gtacgccatc ggcggcagcc ggaacccac catcatcagc 300
cagggcaacc gcttcgcgcg cgtcgacgac agcaggttca aggaggtgac caagcgggag 360
tacacgcagt acagcgagta caagaactgg gtgtggaagt cgcaggacga cctgttcctc 420
aacggcgccct tctt 434

<210> 24703

<211> 482

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-C6

<400> 24703

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ccgtggtcgg tgacctgcgg gctcacctac aacaccacct cgacggtgga ccacttggtg 120
cgcaaccgcc ccgacctggt gctcctcctc ggcgacgtct gctacgcaa cctgtacctg 180
accaacggca ccggggcgga ctgctactcc tgcgccttcg ccaagtccac gccatccac 240
gagacgtacc agccgcgctg ggattactgg ggaaggtaca tggagcccgt gacgtcgagc 300
atcccgatga tgggtggtgga gggcaaccat gagatcgagc agcagatcca caacaggacg 360
ttcgcggcct acagctcgcg gttcgcgttc ccgtcggagg agagcggggtc ctntcgcgcg 420

ttctactact cgttcgacgc cgggcgcatc cacttcgtca tgctngcgtt ctacgccgac 480
ta 482

<210> 24704
<211> 308
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-C8

<400> 24704

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gcggcggcga gtcctncagg agcgtgaggg cactccgcat gacaccgacg tcgccgacga 120
cgaccagtgc gtggaggagg aggcttctcc tccgcgaccc tccgcgcgga atctcttcga 180
tctcctcgac gacggaaacg gcgacggcga cgaagaagat gaaaaggaag atgaaacaga 240
aataattcaa gctgtgagct atacagaaca gagacattct gtgcaaaaga aagcgaacgc 300
tggtcccg 308

<210> 24705
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C9

<400> 24705

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ggatgagagg aacaccacgc agcaccaggg cggtagagcag gcccaggacc aggagaacga 120
ggtgaaggac aggggactcc tggacagcct actcggcagg aacaagcacg acgaccagga 180
gaagaagaac cagcaggcgg aggaggagct ggcgaccggc atggagaagg tcacggtggc 240
cgagcccgc cacaaggagg agggacacga ggccgccgag aagaaggaca gccttctcgc 300
caagctgcac cgcaccagct ccagttccag ctgctcgagc gacgacgagg aagaggaggt 360
gatcgatgag aacggcgaga ttgtcaagag gaagaagaag 400

<210> 24706
<211> 405

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D1

<400> 24706

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 ggaccctgat gaagtgcgcg cgggactact gcaacatcta catcgcggcc aaggtcaatg 120
 ccggcaatgt ccggctcgcc aagtgtgcg tacgggtccat gcaccgtggc gccgacagcc 180
 cttctgacac cgacttcgta caggaatccg ctctgtacat tcaccgtggc tccaggggac 240
 acggacacct gccggcagtg atgcctgacg ccaggcgctc tatggacgga cgcaatacca 300
 tgtcggagct cagcaagctc ccaccactcc gcgagcgctc tctctcgtaa tcggccacca 360
 agaacgtcgt cgagatgccg ggaaaggact actccgaggc gccct 405

<210> 24707
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D10

<400> 24707

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 tgggtggcagg cgtacgtgga cgagcacctg atgtgcgaga tcgagggcca ccacctcgcg 120
 gcggcgccca tcgtcggcca cgacgggtgcc gcctggggcg agagcacggc gttccccgag 180
 ttcaagaccg aggacatggc caacatcatg aaggacttcg acgagccagg gcacctcgcg 240
 ccgacaggcc tggttcctcg acctaccaag tacatggtca tccaaggcga gcctgggtgcc 300
 gtcacccgtg gcaagaaggg atcaggaggc atcacctga agaagacagg gcaggcactc 360
 gtcgttgcca tctacgacga gccgatgacg cctgggcagt gcaacatggt ggtggaaagg 420
 • ctgggcgact 430

<210> 24708
 <211> 441
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D12

<400> 24708

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tggggcaagc ctacaggctc gtcctcctcg ccgtcgtggc gctgctgtcc gccggcctcc 180

tcccgcaggc gctgggtaag ggtaggggag gcaggggaca cggtagggcc gtcaaccgcg 240

aggtcgccgg catctgctct cgcaccccgt tcccggaggt gtgcacgtcc accgccgggc 300

ggcacgcgtc caagtaccgc gtcacgcaca acctggccgt gctgaacatg caagtggacg 360

cgttcgccaa ggcacccgcg caggcgcgca agcacgtcgc gaggtcggcc cgcaccatcc 420

cgccgcagca aacgcatgcg c 441

<210> 24709

<211> 472

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D2

<400> 24709

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agaacatctc ctggaacgcc aggttccttg gaccactata tccaggagcg acgaagtgat 120

ccacccgcca gccatggaga tgaagaaggt cctctgcgcc gccctcgtcg ccgccgcctc 180

ggccaccgcc gtgctggcct cggtcgcctc cgaggcgccc tccgaggcgc ccgccggcgc 240

ggccggtggt gcggctggcc ctacgcgaag cggcgccgcc gccgccgccg tgccccgccg 300

cggggcgctc gtcgcctcct tcctgccta ctacctccac tgagcgacga cgcgcggggc 360

ggcaacgttg ggatgcatcg tgtttggttc atccgattaa ttaattgttt tttttattta 420

cgtggtttgc gattgggttaa ttgtttgttt gtccgttcgt ttcgtggtcg tg 472

<210> 24710

<211> 333

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-D3

<400> 24710

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ccatccatca gccatttaca taaagaagtt tctctcccat gcactcttcc ccagctactc 180
gttcacccac ctacttgctt cagtaatctc ctaagcacat tcctattctc tcaactgcac 240
actcacacct gcaaatagcc ataccacact ccacgcctc tatgtcctca caccctacaa 300
tatatcacct gacgactcat acatcaccca cta 333

<210> 24711
<211> 463
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-D4
<400> 24711

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catgcacatc tctgccgcac tgccagctcc acaagcggtc catgactatg caggccccgt 180
cgcagcagaa gctgggtatgc tcgcgatcgt gccacagggt gacgagatat tcgacggcat 240
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gttcgggtgac tccatggaca tggcaaattc gctgagctcc tccaataacc cctcgggtcaa 360
cctggctacg cacttccatg acgagaggat cgggagctgc tcgtttccct acccaaaatc 420
cgggcctcag atgtgagatc ctggcagaaa aactgccgcg gtc 463

<210> 24712
<211> 438
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-C11
<400> 24712

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cgaagcagga agacatgggt gatgtgaact tgaggctctg caatgcaaac tcgtcccagt 180

ctcaggctca ggctggggga tgcagttggt agttgcagtc tctgacactt gctgctcatg 240
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ttgatcggca ttgaacacgc acacgtata gtttttacct ggtgaatgga ccatttgcag 360
tggaacgata cgtttgagtt ctctagtgtt atttccagtg gcctaagcta gcaacagtg 420
atagttgggt tggcactg 438

<210> 24713
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B1

<400> 24713

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aaggagctca tcgtcgagaa tgcgctgcaa aactggatcc gcgtcgactg ctacaggttc 360
cgcttccacg ggggcggcac catgttcctt cgcagaaccg gcgcttacat tgacgacatc 420
gccaagctta 430

<210> 24714
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B10

<400> 24714

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ccatctcttc gccgctgcct ctctgttctc ttttcaataa tcaagatgag ccgtgggtgg 180
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ccagcagtgg caccagctgc aagtgctcca cctgttgaga aaccatctgc tgcaaagact 300
 gatgcggcca agcaggttgc tgctgggggt accagccaaa ccaataacta ccacagggt 360
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<210> 24715
 <211> 286
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-B11
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 gtaatcctgc ccgatcgatg ctaatactat gatcccaatt tggattttgc gatcctaaaa 180
 aaaaaaaaaa aaaaaaaaaa aataagaaat atcaaaaaaaaa aaaaaaaaaa aacaaaacaa 240
 accaaaaatg ataacaaatg caagaataaa aaaactatag agaaaa 286

<210> 24716
 <211> 397
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-005-Q1-K1-B12
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 catgcacatc tctgctccac tgccagcttc acaagcgtca catgactatg caggccccgt 180
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 gatcagtgac tgcattggaca tggcaaactc tctgagctca tccaataacc ccgtgggtcaa 360
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<210> 24717
<211> 457
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B3

<400> 24717

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ggccctcgac gccgtccttt cctcctagtgc cccagcttta ttgcagatcc agccctctga 180
tcctcgtctt ctttcacctc tccaacatga aggtcaacac caagatcaag ctggagccgg 240
tcatggcgcc gtcgtcgtcc ctgccgcgga gcgccagcga gctacccgac ccgccgtcac 300
cgttcagctc caacacggcg caccaccccg tctccgtgcc caccacacct aggttgtcct 360
tatcgtgctc gtcgttcggc cacatggtga ccccgcccac cgacacaccg tcgatcacgc 420
ccaccaagaa gcaggacgac aagccgaagc cgacgcc 457

<210> 24718
<211> 472
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-005-Q1-K1-B4

<400> 24718

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atggagatga agaaggtcgc ctgcgcgcgc ctgcgcgcgc ccgcctccgc caccgtggtc 180
ctgcgcgcgc agggccccggc gccgcgcgcc accagcgcct cctcggctgc gttccccggc 240
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tttatatata tatatatata ttaagtact ttaatttggg tctgaacatg tcgattgatc 420
cattcattnt atttgctttg ccatttctcc ctttctgtt aatttcgata tg 472

<210> 24719

<211> 473
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-B5

 <400> 24719

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 cttctgcctt ccccggcgcc aggtcgggt cgctcgcgc caggcagctg ctacgcgtga 180
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 agccgccact gaggaacccc tagcgacggc ggcgtgctac cggtgacatt gtccccctcg 300
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 aggtcgatct ttgctgcctt ggcgagcttc agccgaatca aggtcgagca tggcggcagg 420
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<210> 24720
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B6

 <400> 24720

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 tggctgctct gttggcttat gcatgattag tgggatcaag aggttttagca agtttcaagt 180
 tgatgtcaga ttccatgagg tgcaactgaa caagtcattt gttcattcaa ttccatgggt 240
 gcacagaaaa gatgaggcga tgccaagaaa aagtcgatat gtctatgtgt ttaagttaaa 300
 gggccaaaat gtatttcttg tttggtatat agcagcccta caacactntg gtgaacttag 360
 ttactgcaga ctaggtaatt acagttgcac cttttgtatt ttatagcaaa cccagaaatt 420
 ttcattggat tctacgact 439

<210> 24721
 <211> 414

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-005-Q1-K1-B7

 <400> 24721

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 gttgctacct cttggctcga cggcaatcac gtcattctcg gccaggctcg caagggcatg 120
 gacgtcgtca aggccatcga gaagggtggac acccgcaacg gcttcaccta caaggtggtc 180
 aaagtcgctg actgctgaca gctctgctag atctctctga tctgggtatgt tcggacaacc 240
 taccttcgctc atcgtctact actcctgcgt ccattccttt ggatctgaat aatatggtgg 300
 taatctgaat ggtgggtatta gtttatcatg tatcgctcgc agtataatat atcggttttag 360
 gtgatgatct ttgaaaaata ataaaatttt gattcgaaac aacaacacaa actt 414

<210> 24722
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B8

 <400> 24722

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 ggcggagggtg gagctccgac gagccaatga ggcaattgaa aagctgaaaa cttcaagaa 180
 cgaatgtgga ctgcctcatg tgcaaatgga atggcatgat caccatgaaa tagaactggt 240
 ccatgcactg cccttcgagg attctgatga ttctgcgctg aatgaaagca ggcttgacct 300
 ccaggaaata tgtcaaagag tcaaagaaat aattgaatct taccctgagc tatcagttgc 360
 ggaattagca gataaagttg atcgacttgt ggaaaagggtg atcagccttg aacttgccac 420
 tacttcacag aatgctcaga tcgatngaag g 451

<210> 24723
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-B9

<400> 24723

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gattccgaag tggtttgtta cttcttcgc cttcatgtg gcttgctggg atgacttttg 120
gatatcttta tggctttttg ataatacacag tgggatgag cataggcatg tcgttgccgt 180
attttatagg ttctgcattc cactgcagga tacatagatg gctggagaag tggccaaaga 240
aagcagcttt tgtaaggctt gctggcgagg gagattggca tcatcaattt aaggctgttg 300
ctttactcag gatttctcca tttccatatt tagtttttaa ctacgcttct gtggctacga 360
acgtcaaata ttaccatac atagctggtt ccatggctgg aaccatacat gaaactttcc 420
ttgcaatata cagtgggaaa cttt 444

<210> 24724

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C1

<400> 24724

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gcccggcgcc aacatgacca gacgcgtcaa gtggaggggt atcaagaaca tcacctacca 180
gcacgcgctg cagaagtaca ccgtcgagag cttcatccag ggccagcact ggctcccaca 240
gctcggcgtg ccattcatcc cggggctgct gccgcagcag caatcgggca ggatacactg 300
acatctaagg aagatgatat atgatcggca ggctgcgttg tcgatatgac gtggcactaa 360
catgtacgta ccatggttta gtttattggt tggtttatgc tattttgact actacttttt 420
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<210> 24725

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-C10

<400> 24725

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gctgagcgct tacgctgccc tgaggtcctc ttccagccat ccttcattgg gatggaagct 120

gctggtatcc acgagaccac ctacaactcc atcatgaagt gcgacgtgga tattaggaag 180

gatctgtatg gcaacatcgt cctctccggt ggtaeccata tgttccttgg cattgctgac 240

aggatgagca aggaaatcac cgccctggct cctagcagca tgaagatcaa ggtgggttgc 300

cctccagaaa ggaagtacag tgtctggatt ggaggatcca tcctggcatc gctcagcacc 360

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aggaaatgct tctaattctt tgg 443

<210> 24726

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A9

<400> 24726

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ctccggcggt gccgcgcgta gcacggcagc tggcgccggc gcccccgccg cggatggggc 120

ggctgcggcg ctccggcgga gcacccctgga atcggtcacc gtggcatgcc ccgaccacct 180

cgtgatcgcg gacctaccg tcgcgaagag ccttgggtgcc gacacggcct ccgatgccgc 240

cgtcacgcgc gccatcggcc gtcgctcccg tcgcccgtc ggggagcgcg tccacatctg 300

atcccgatgc gagttcccca tcgtcatcta cggccgcctg atcccttgtg aacatgcctt 360

ctggttatcc tgcgcaagaa gcgattctag ctgatatctc tgagatgagc gcattcagaa 420

gatacaaagt ctgaa 435

<210> 24727

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H3

<400> 24727

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caacatccag tacgtcagct actggttcgg cgagggcgac ggggcggcgc cgacgcagtg 180
gagcagggac atgtacgct tcatggagcc gtacgtcagc aagaacccta ggcaggcgta 240
cgccaactac agggacctcg accttggcgt caacgaggtg gtcggcgacg tctccaccta 300
cgacagcggc aggggtctggg gcgagaagta ctacaatggc aacttcgaga ggctcgccag 360
gaccaaggcc aaggtggacc cctgcgacta cttcaggaac gagcagagca 410

<210> 24728

<211> 358

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H4

<400> 24728

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gcgcgaggtc tggctttggc cgtggtggtg gcagcggcct tggcgctggc ccgacctctt 180
cttccatgga gtgaacagtg aagctgcct tagtttggac atgatgtttc ccctcccgtg 240
aggcgtttaa ttttgaagga cggttattat gtactagtaa tgttttccg atcggctagt 300
gctgacatgc aaaaaaaaaat gttccatatt tatacattgg ttccagtata gtagtctt 358

<210> 24729

<211> 176

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H5

<400> 24729

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cctagtatc tacgacgcta ctacataccg tacgctcct tgcacaagct ttgacgaggg 120
gcacggacga tgaatactcc gatcgctgag gtgcagcacg tctttacacg ccagat 176

<210> 24730

<211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H6

 <400> 24730

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 tccgtcctcg gtcccgctcc tccgtccgat ccatacgttt ccgttccta taaattctat 120
 aaattccccg aaagtcccg accgctcagc caaccaaca cgacggcgag tcggcggcga 180
 gtgggaggga acaccgcagc agcgatgcgt cggggctcgc tgccgctgcc gctgctgctg 240
 cttgcggcgg tggcggcggt agcggccacc gcggttccc ccgagccggc gtcgacgctg 300
 tccgggccgt cgcggccggt gacgggtggc atcggagaca ggggccacgc ggtggacctg 360
 ccggacacgg acccgcggtt gcagcgccgc gtcacgggct gggcgcccga gcagatcgcc 420
 gtcgcgc 427

<210> 24731
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-H7

 <400> 24731

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 ccgtcggcct ggctgtttct cacctgaaga agatgctccc ggatgccact gaaccgacgc 180
 agtacctggt gtgcgatgg ggctccgacc ccaactccct ggggtcctac tcgtgcgacc 240
 tggtcgcgaa gccggccgac gtgtgcgcga ggttcgccgc ccccgtcgag aacctgcact 300
 tcgccggcga ggcggccagt gccgagcact cgggggtccgt gcacggcgcc tactcgtcgg 360
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 t 421

<210> 24732
 <211> 291
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H8

<400> 24732

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gccccaaacat caccaccaac tacaacggca agtggctcac cgctagtgcc acctgctacg 180

gttagatcaa cggagcactg cgctcctgac atcggctgtg catgctggat caacaacctg 240

aacctgccac actacagcgg actgacgtta tgcgccaacg atgctatctt c 291

<210> 24733

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H9

<400> 24733

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attttgtttc ctcgctgctg cagcctgcaa attggtagtt tcttggttct tatcagtgga 180

gctggctttg gaatttgcag gcaccgttct gagctgcgct ggtgctcctg gaaaggtggt 240

ggtgcctgga ggtggcagtg atgacttgct ttcctccgta gagcctgtca gcgacactca 300

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gttggttaag gcaccgtgct ggttcttggg ctactg 396

<210> 24734

<211> 422

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-A1

<400> 24734

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gaagcgacga ttctgattgg tgatgctctg tttctgcctc catcctgctg ctgcggccca 180
gttgctgaaa ctgtctcaga acagaaccgt aggtgtgcgg cccttggcat gccgctgtac 240
aaaagaaaat gctttattag acaatctggg tgctcgaaca gtgtggcaac aaataagtcg 300
gttgatttag gtaaaggtaa aagcagattg ggtgttctag tgagtagtga cattgtattt 360
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aa 422

<210> 24735
<211> 424
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-A10
<400> 24735

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ggcactgctc tcattcaaat ttctggaaca gcggttcata acaataaaac gcttcaagtt 180
gatgcggctg caacatcctt gagttccaca gattgttttg ttttgcaagc taaaaactcg 240
atgtttatat ggaatgggaa tgcaagttct tttgaacaac aacagtgggc tgctaaagtt 300
gctgaatttc tgaagaccgg tgttgctgtc aagcattgca aggagggcac tgagagctct 360
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gttg 424

<210> 24736
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-005-Q1-K1-A11
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tatcctgaca aaggatggga agaggcactt gatcaagaag gatgtgcctt gtgagactga 120
tcagttgact catgtttaca ctttgatcat ccgtcccgat gcaacatata gcattctcat 180

cgataatgaa gagaagcaaa ctggcagcat ctatgagcac tgggatattc ttccccctaa 240
gcaaatacaag gacccagagg ctaagaagcc tgaggactgg gatgacaagg aatacattcc 300
tgaccctgag gacaagaagc cagaggggcta tgatgatatt cccaaggaaa ttcttgacct 360
tgatgctaag aagcctgagg actgggatga cgaggaagat ggtgaatgga ctgcccctac 420
cattcccaac ccagaatata aagga 445

<210> 24737

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A12

<400> 24737

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gatcactggg tcagaaccca accgaggctg agctccagga catgatcaac gaggtcgatg 180
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acggcttcat ctctgcggcg gagctccgcc acgtgatgac caacctcggc gagaagctga 360
ccgaccagga agtcgatgag atgatccgcg aggccgacgt cgatggcgat ggccagatca 420
ac 422

<210> 24738

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A2

<400> 24738

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cggccgcca acaaaaccaa aaaaaaaca cactgaacct aataatccga tcccacagaa 180
acttttctct cggtcctgtc gatcgatcgc tgccgtgtcg tttgccagac accatcagca 240

cccaaaacca tggcctgcaa cctggctcag tgcgccaccg ccgccgcggc gaccgtcgcg 300
 ccccgacccc ctgcacctgc tgcgtccgcg tccgtctcct tctccgcgag gaagccggcg 360
 ggcggcagcc tgcggctgca gcggcaggcg tgctgcgagc cgtcgggtggc gccgtcgcgg 420
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<210> 24739

<211> 182

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A3

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 tctacactgc atcatctatt ctgagaataa ctgcaatctt taccctgat actctacatt 180
 ca 182

<210> 24740

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A4

<400> 24740

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 acgagcagca gatccggcaa gctggctgcc ggccatgggt catgaaaggc accgaggagg 180
 aggagcactg atggcagaga cacggcatgg acacaactaa acgcccata gatttgcacg 240
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 agctctcctg atgagcaggt gttttttcag ggccggtgac agacaaacga gtcggcctca 360
 tgccatcagg gaagagctca gatggaagct gctgtagtgg ttttcagggt tcatgcatac 420
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<210> 24741
 <211> 436
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-A5

 <400> 24741

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 ttctgaacaa caccagatg tcagcgtggc ggacacggag catgtaccac cggggcagga 180
 gcacccact gatgtgcaag accacgagca ccctcgcggc ggtcatggcg cagatgctgt 240
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 cgacagcatc ttgatgcacc acatcgtgct gtacagtata cttgctgtgg ttgatccgtt 420
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<210> 24742
 <211> 456
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 24742

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 aggcgttgct gccggagtcg gcgggcgggtg agctgtcggc ggtgtgccccg tgggcgggacc 240
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 gcaacttcaa gttttctcgg gactgccaca attctcgtgg ccagcaaggg atgtgcgtcg 360
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<210> 24743
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H2

<400> 24743

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 aaggcggctg aggtcaccaa ggctgcaac accacctgcg ccaaggagaa gcagcctctg 180
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 aacgtcacgc 430

<210> 24744
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F8

<400> 24744

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 gccacctcac gtacgtactc gacggcgaca acctcaggca ctgactgaac agggacctta 180
 gcttcggagc agaggaccgc acctagaaca tccgcagagt acgggaagta gcgaagctat 240
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 tc 422

<210> 24745
 <211> 299

<212> DNA
 <213> Zea mays
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 tggcaacgtc ttgcacctcg cctcttctct gtcgccggtg ccgacgttca agaggggtcct 240
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<210> 24746
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-G1
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 tgagccagat gaaggatgtg ggatacaaga taaacaaggt ggagaaagaa cagaatgctg 360
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<210> 24747
 <211> 270
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-G10
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acggacctgc tcgtgttcaa tgagtcctgc acgctatccc aacatttcaa cctgcagctg 180
tacggtagta tccatcgcaa ggtcaagtgc tccgaacaga aagtcataac tgctccactc 240
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<210> 24748

<211> 352

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-G11

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gcctagggct gctaccctag aaccaagcct gcggcagagg ggtataacct cgccggagaa 180
gacagttatc tccatggaca gaagggtccat gacacaattg cacttgttta tgatgttagc 240
gggtagtagt aatcactatt cntgttataa tgtaaacagt gtaaatgctg ctgctaagta 300
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<210> 24749

<211> 303

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G12

<400> 24749

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gcgagctcgg gaatcaaggg tttcacacat agcttcgtcg atttgaattt gatgtactaa 240
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ttg 303

<210> 24750
 <211> 292
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G2

 <400> 24750

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 agggcgcgct ggctgcacctg cagcgggtcca aggtggcggt gcagaaggcc aaggacgagg 180
 ccgccatcca catgttggtg accgtgctta gggcacaacac atactcagcc ctgattatag 240
 acgatcgcac atgcatggcg actaactacg tcgtcctgga tttactctgg cg 292

<210> 24751
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G3

 <400> 24751

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 ctgagctagc cttcagaaaa aaaaagaaaa gaaagagatt gagaagcagg gagaaaaaat 180
 ggcaactggc cattgaggaa gcttgagaac cagttaacaa gaattgccaa catattcttg 240
 gacaatcttg ttaacagagt ttttaaggttt ccagcagag aagagcgct gcaaccacca 300
 cattcatata attaataagc aaggtttaga gaagaggcaa catgggcaca aagatgaaga 360
 aggggatcct gaagccgttc cgctatatct caaccatcat ggatggtaag gaggctgaaa 420
 tgcaaattgg 430

<210> 24752
 <211> 430
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-G4

<400> 24752

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gggctgcaac cccaactacc tggccgtgct ggtgaagttt gtggcggacg atggcgacat 180

cgtgctgatg gaaatccagg acaagttgtc ggctgagtgg aagcccatga agctctcttg 240

gggcgccatc tggaggatgg aactgccaa ggcgctcaag ggcccccttct ctatccgcct 300

caccagcgag tccggcaaga aggtcatcgc taaagacatc atcccggcga actggagacc 360

cgatgccgtc tacacttcca acgtccaatt ctactagact ttgaattgcc ttcgattcat 420

ccggcgcggc 430

<210> 24753

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G5

<400> 24753

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atgtggtggt tggggggcag ctcacggagg gggccgacgg cctcaacaag acgaagagga 180

agacgggctc ctgcaccaag gggaaggaga caacagggac cgggatatcc aaggccgaga 240

gcgcgctcgc cgccgtcgca actgcctccc gtgatcgta ggctagccag atcacctttt 300

cccaggacgg gaccgttcct accaggaagg caacttcagt ggctggggtg gcaaggcagc 360

gtgagcttag ccataccgtc gagagtgagg gggacagtaa gatg 404

<210> 24754

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G6

<400> 24754

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tgcagccgcg gcgcaggcat ccaataacgt cacctccgac gaggattact gggcggagcg 120
cgccgaggtg gctcggtcgc gcaacctcgc cgctacgtc agcgacccccg tggccgccac 180
gaaccgcttc aacgcggacg tgctgagggc cacgacgcgg cgggcgctgg cgaggtacga 240
tggcccgctgc atggcgacca accccatcga ccggtgctgg cgctgccgcg ccgactgggc 300
gacggaccgg aagcggctgg cgcagtgcgc gcgcgggttc ggccacagga gcgtcggcgg 360
cgcgcccggc aagctgtacg tggtagggga cccgagcgac gacgagatga tcatccccgcg 420
gaagggcac 429

<210> 24755

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-004-Q1-K1-G7

<400> 24755

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gagccgacgc gggaggagag cgtgtacatg gccaaagcttg cggagcaggc ggagcggtag 180
gaggagatgg tcgagttcat ggagcgcgtc gcgcgctacg ccggggggcgc cggcggcnng 240
gaggagctct cggtaggagga gcgcaacctg ctgtccgtcg cctacaagaa cgtcatcggc 300
gcccgcaggg cctcgtggcg gatcatctcc tccatcgagc agaaggagga aggccgcggg 360
aacgagggcg acgccgcac catccgcgcc taccgtcca agatcgaggc cgagctcgcc 420
cgc 423

<210> 24756

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-G8

<400> 24756

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gggatggtgt ggtcggctgg gatggcaaca atgcgaggcg cctccgccgc cgcgctactg 180
 gtgctggcgc tcgccgccgc cgtggcgcg gcggaggacc cctaccactt cttcgagtgg 240
 aaggtgacgt acgggacgag gaccatcatg gggacggcgc agaaggtgat cctcatcaac 300
 gacatgttcc cgggccctac catcaactgc tcatccaaca acaacatcct cgtcaacgtg 360
 ttcaacatgc tcgaccagcc gtcctcttcc acctggcacg ggatccagca gaggaagaac 420
 tcgtggc 427

<210> 24757
 <211> 171
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H1

<400> 24757
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 ggtcactgaa cttctaattct gctgcaacat tacatacgct tccttggaca atctttaaca 120
 aagcttgccc attctgaaca ctgtaaaccg tatctctcac atggtcatta t 171

<210> 24758
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-H10

<400> 24758
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 gagcttacta gcaatctcat aggttctgtc aaaggcgaag aattcgacat ttataacttg 120
 ctggatgatg aaattttaag cacgagcaca gcccttgagt acagtttgca taagcataac 180
 caactggagg ctgacataga catgttaaaa gaatccttgc gacagaagga catggatctg 240
 actgctgctt ataaagcgct tgacgcaaaa gatcgagagt tgaaagccgt aattggaaag 300
 gtagatgtta aggataagga actagaaaac ttggaag 337

<210> 24759
 <211> 408

<212>	DNA	
<213>	Zea mays	
<223>	Clone ID: LIB3066-004-Q1-K1-H11	
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gagcgagagg	cgcagtgggc cacggcacag aggacgtgc acggcctcaa ccaggccacc	120
gccacctccg	acctcttcgg cgacaaccag ggctaccgcg agctgtcgga gctcgccgag	180
caggcggcca	agcgcgccga ggtggccagg ctcagggagc tgcacacgct caagggacac	240
gtcgagtcg	tcgtcaagct caagggcctc gacattgaca ccattcagca gagctacacc	300
gtgtaaactc	gactcaggtt ttttatttgt ttttttttgc agacaaatac aaaccacaca	360
catatatata	tttgtaaaga ttcgttcgta ttttcatttt caccggga	408

<210>	24760	
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<213>	Zea mays	
<223>	Clone ID: LIB3066-004-Q1-K1-H12	
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tgctcatcgt	cgctccagc gcaacggtgt cgactgctca tgacgagagc tgctggaagg	180
acgacgacca	ccaccctatc tgctttcccg aagactgcgt ggcgacctgc caggatcacg	240
gccacgcgga	cggccgctgc aactgggcac	270

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<210>      24761
<211>      338
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-004-Q1-K1-F7

<400>      24761

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gagttcggcc tcgaggtgga gaagtacacc aaggtggagc acgcggacgc caagaagctc      120
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aaggtggagc cgttcaactc ggtgaagaag accatggccg tggttatcgc gtccccgaac 180
 gcggccggcc acccgcgccg gttcctcaag ggcgcgtccg aggtcgtcct gagccggtgc 240
 ggctccgtct tggacggcac cgggtgccga gagaagctca cggaggcgaa ggcaagcgc 300
 gtggccagcg ccatcgactc gttcgcgtgc gaagcgct 338

<210> 24762

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E2

<400> 24762

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 tgctcctcca cgtccggcac cacggccgtg aggagggcaa gaacgtcctc tggccccga 180
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 acgtgccgta tgacgcggag gtgttcgaca tgctcaacgc cgcggccccg cagaaagaga 300
 tgtacactgt tgttttggtg aaaaaggctg ccagataaac tgcccagctt gtatcactac 360
 atgagaaagt cactggacag catcactatt accatttttt ttaacaaggg atagaatggc 420
 tctgctta 428

<210> 24763

<211> 274

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E3

<400> 24763

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 tgcgtgccaa gataaaggta atggagtcct cacgcacgtt ccagccggcc gacatcctgc 120
 ttctcctgct cattgtgtca cacacgatat ggcacaagca aaggaatgct acaagtacaa 180
 tgagcgattt gttgaggcat gcatgatcgc agacaactac gccaatctct gccccgtta 240
 cgacttggtg gccgacacgt gcagcaacta catg 274

<210> 24764
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E4

<400> 24764

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 gaatgatcgt atattgatcc taggacaggc aggaagtctt ggggcttatg tagtgtacaa 180
 tttctgtatc tcatataccg tgctcggttg cagtttgtac tataccatat ataaaccata 240
 gaacatgtga catttagaag tctggccaag gtcagctgta atgcttcaca tgcttatagc 300
 ctggaaacat tagacattga aaaacccgag cagtgaataa aggatgccca aggcagaaac 360
 tttgatg 367

<210> 24765
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E5

<400> 24765

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 ggcaaagatg tcgtggcagg cgtacgtgga cgagcacctg atgtgcgaga tcgagggcca 180
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 gttccccgag ttcaagaccg aggacatggc caacatcatg aaggacttcg acgagccagg 300
 gcacctcgcg ccgacaggcc tgttcctcgg acctaccaag tacatgggtca tccaaggcga 360
 gcctggtgcc gtcacccgtg gcaagaaggg atcaggaggc atcacctga agaagacagg 420
 gcaggca 427

<210> 24766
 <211> 424

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E6

 <400> 24766

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 ctagagcgca ttgcgctgca cggggacatc aaatggcggc agcggcggag atcgggtgggtt 180
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 cggcgggtggc accgcagcct aggaggggcg tggcggcgca gtcgctgcag acgaccgcca 300
 ccgaggcgct gacggcggat ctgcgccgca cgaccaacgg cgctgtgcat gctcggatga 360
 atagtaaggc tacaagtgaa atcacttcac aggcagttac tgcaaattct atgagaaaga 420
 caaa 424

<210> 24767
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-E7

 <400> 24767

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 tctacatgat aatcgaagtg taccctcgca ggatgcgcag gactacgcag agaagaacaa 180
 tatgtttttc attgagacgt cggccaagac agctgataat ataaaccaac tgtttgagga 240
 aattgcaaag aggttgcccta ggccaacggc atcgtgacag aacacttggt tgtattgctt 300
 gtaccatgta atgcatgcca gtccatatac acgggtactg tatggactac ggaagacctc 360
 tcatgtaaag atatttcccc cattctgtca tagttgtgga tgacaattgg tattgagaat 420
 atcct 425

<210> 24768
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E8

<400> 24768

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gcgttggtga tggattccaa aagcaatcat acaggggcta tggcgaggcc ttacaaacct 120
aagaatatcc tcattacagg agctgctggt tttatcgctt cccatgtcgc aatccgcatt 180
accaagaagt accccgatta caagattatc gtccttgaca aacttgacta ctgctctaata 240
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gcaagtgttg atcttgatca cttccttctt gtcacagaga acattgatac cataatgcac 360
ttcgcgcccc agacacatgt cgacaattca ttgggaatt ctttcgaatt taccaagaac 420
aatattt 427

<210> 24769

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E9

<400> 24769

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cgggacctgg cggaggcggc gctccgcgcg gcgacgaccg cgggcggcgc ggcgggagac 180
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tgcccgggg agatcgagga ggcgctggac cacctggacg acaccgaggg cggcctcgac 300
gacggcaagc tccacgacgt gaagctgttc ctggacacgg cggatgagga cacgtgggtc 360
tgcgacgtc 369

<210> 24770

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F1

<400> 24770

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 cgcgggcg 427

<210> 24771
 <211> 358
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-F10
 <400> 24771

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 tagcgacagt tattgcagtc ttgatgaata ggggaggaaa gcggcgggccg atacaccggc 240
 aaaaaacttt gttagcgcta atgaagaaac ggcaacgaat acggggggcag gtgaagctgg 300
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<210> 24772
 <211> 326
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-F11
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gagtgggagc t

431

<210> 24775

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-F3

<400> 24775

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gccagcgtcg gctgtagcag gtacggcaag cactccgatg aaggccccct caactactgc 180

gagtacggct cctccaggaa cgactcggag aagtacctga aagaggagaa ggagcacaag 240

cacaatgagc acctcggcaa cataggcacc cttgccgtcg gagccttcga cctgtacgag 300

aggcaccatg cgaagaatga cccggagcac gcgcagcatg cacaagatcg aagagggcct 360

aactgctgtg gctgccctgg gcaacagccg cttaacgttc cacgagcacc acgacaagaa 420

gaggccaa 428

<210> 24776

<211> 391

<212> DNA

<213> Zea mays

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ccatcacatc gccgtgttca tagaggccat cgaccttttc gacggggacg gtgacaggag 180

catctcagcc agagacctcg aagctgacgt gcgatcactg ggtcagaact ccaccgagga 240

tgatctccat gacatgacca tcgaaggcta tactgacggc tactgcacta tcgatttcac 300

tgagttgatg cacctcatgg tcagcctgat gaaggacacg gacttgtacg aggagctcaa 360

cgacgactgc atggtgatca ccgacgacca c 391

<210> 24777

<211> 369
 <212> DNA
 <213> Zea mays
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 gcaagaccca cttcgagcag ctcttcaagg agaccgggag cttctccaag aacttcacgc 300
 cagggtggcaa gtcacagac aagggtgaac tgacaagggc cccaagcaag ctgtcgtctg 360
 cattttctg 369

<210> 24778
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-F5
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 cccaacgccg tgtgatttcc aagaagacct cctgccatcc ttcttgattt ttatttcctt 240
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 ttttagatag gagcgacggt tgcataatgat ggccgtcctc aagaatttta atcctcgtct 360
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<210> 24779
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C6

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gaactggaag aaacaataga ggcacaaaga acaacaatct ccaatttcac tcaaatgagt 360
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gaaagaa 427

<210> 24780

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C7

<400> 24780

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tcatccatgg gtatggatcc tagtgctgcc atgaatagaa ttcgcagtca gtctaggggt 180
cgcaggcttg aaaggtcatt gagcaaagct gcaccgaatg gtgcacggtt ggatatagat 240
ggccagcaga gcaccggaat tgcgtcggac atttagtgt aggtctaggg ctaggtgacg 300
tgctcccagag gaagtgcctt ctggagaaaag ggtcaagggc tctgagcaca agaaaaaggc 360
tatcaagaaa gcacaggccg ctactaggaa cag 393

<210> 24781

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C8

<400> 24781

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acttaagaag ttagaccttc agtttacatt cctttgcaca gaggatcatt gtcagatagt 180
tcaacgctgc tccaatctgg aaaccttaga ggtgagggat gtcatagggg atcgtggact 240
acaagttggt gcacagacct gcaagaaatt gcataggctc agagtagaga gaggagatga 300
tgatcaagga ggtcttgagg atgaacaagg taggatttca caggtggggg tgatggctat 360
agcccaaggc tgccctgagt tgacatactg ggcgatacat gtatcagaca ttacaaatgc 420
agctt 425

<210> 24782
<211> 360
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-004-Q1-K1-C9
<400> 24782

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tcgtgagccg aacgttaatc cggcggacgc gatggcggcg ccatatgctg cagacgcaga 180
taggatgaca atcacgtacg ccgtcgatga caactgaccg atggtgcggc cataccttga 240
aagctgtcag gacacgttag cagaccttgg gtactctgtt gtggccgtgt gcatcgacaa 300
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<210> 24783
<211> 415
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-D1
<400> 24783

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aagaagaaga agttcgtcag cgacggtgtt ttctacgccg agctcaacga gatgctgacg 180

cgggagctgg cggaggacgg ctactctggc gtggaggtgc gcgtcacgcc gatgcgcacg 240
gagatcatca tccgcgccac ggcacgcag aacgtgctcg gcgagaaggg ccgtaggac 300
agggagctca cctncgtcgt ccagaagagg ttcaacttcc ctgagaatgg cgtagagctt 360
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<210> 24784
<211> 352
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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aaaattgggc agaacatgaa tggcattgtt cagcttccat ttctatgctc ctgccgtcca 180
aatcttatgc cattagataa cctccaaact gattggctct atactagcta tatcccgctg 240
cagagcctta agtgcattcca cagaatagcc aagaaaggaa gccgaaaaat tccccgagga 300
gagccggaat attaaggatg ttttgaaggg aaaaaaagat naaaatgaga gc 352

<210> 24785
<211> 362
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D12

<400> 24785

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atgggttcaa gaacttcaag ctcaaggaaa tcagaatacc atagtggctc ttgctggaaa 180
caaggctgat atgctagatg cgaggcaagt gccagcagag gaagcaaagg cgtatgctca 240
ggagaatggg ctcttcttca tggagacatc tgctaaaact gcaatcaatg tgaatgacat 300
atTTTatgag attgcaaaga aattgcttca agggcaacaa gctccaagcc cacaggctgg 360

<210> 24786
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D2

<400> 24786

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gctcgtcttc ggcgggcgcg agctggcgcg cgacgacggg cgcattccggg actacggcgt 180
ggcggacggc aacgtggtgc acctggtcat ccgcgtcccg gacgtgcgcc tcatcaccgt 240
ggagaccgtg cagggcgcca agttcaggtt ccgcgtggag cccggggcga ccgtcgggta 300
cgtgaagcag cagatcgcca aggaccaccc cgcgggcgcg cgccccggcg agcagcggct 360
cgtgctcgag ggcgaggacc tcgacgaccg gcacctcatc cacgacgtgt gcagggccga 420
cggcgccgt 429

<210> 24787
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D3

<400> 24787

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gaagcggctg gcgcagtgcg cgcgcggggtt cggccacagg agcgtcggcg gcgcggccgg 180
caagctgtac gtggtgaggg acccgagcga cgacgagatg atcatccgc ggaagggcac 240
gctgcggcac gcggtgatcc aggaccggcc gctgtggatc gtgttcgcgc gcgacatggt 300
gatcgagctg cggcaggagc tgatcgtgaa ccacaacaag acgatcgacg ggcggggcgc 360
gcaggtgcac atcatgttcg cgcagatcac gctgcagaac gtgcagaacg tgatcctgca 420
caacc 425

<210> 24788
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-D4

 <400> 24788

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 cagtcgcccgg cgacggcggt gtcgtcgggc gccgccaagc ccaagtgcgt ggccggcgcc 180
 aggaacgacc acgcgtgccg cgtcggcgcc gtgcacgacc cggacagcca ggaggaggag 240
 ggctccagcg tcaccatcga cgcgcccgcc gccgcgcccg acgacgtcgg ccacgacgac 300
 ggcagcgact acaacgaccc cgacgtgccc aacaacgacc agctcgtcgt cgtcggccac 360
 tgaaagctgc cgcgcgcgcg cgcgcgccga cccgtggacc atgcgtgcat g 411

<210> 24789
 <211> 374
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-D9

 <400> 24789

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 gacagagtta taaacaacgg gtgggcagct ggacggctta cctcgacgat tgcaggagag 180
 gaaaatttcg tcttcagctc taacagcgta cttaggcaat gatctagttt tgttttcctt 240
 tatctataca ttgaaaacgg taaataatag tcttcgggat ccaatagaga tatcgttggg 300
 gcttgggcat ttatagcgaa gttctgtcaa gaaaagagaa ttcactctat ataggttgga 360
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<210> 24790
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-E1

<400> 24790

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tgaacaaatt cagcaagcac ctgtgcaggc agatatgtcc ggaggccgcc agcttcaccc  180
gcgcggtcgt ggtggccccga ttgccggcgc cgccgccgcc gccggcgcac gccgcgtgcg  240
agtccagcca ggtcgccgag tgcagggccc gcgatgggga gcacgcggcc tactcctacc  300
tcgccggcgc gctcgtctcc ggcaagcccg ccacggacct cgtcatgcgc tgcgtcggcg  360
cctncagcac cgacaacttc cctgacgaga ccatcgagaa cacgctcgtg ccgcacgaca  420
tggttaac                                     428
  
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<210> 24791
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-E10

<400> 24791

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acgttgctgc agggaaggac attcagggga tcccgtggga gaagatgctc ttcgggaggg  180
ataagtaccg ggagatgaag atgaagaact acagaaatta ccagaatcta agttacgcac  240
gggaggatgc tttgcaggag tgcaaacaag tgacgaaaga tagtccttac tatgatttcc  300
actacaacac aaggcgtgct cggccatcaa ttgtacaatt tcagctacgg aacctagtgt  360
gggcaaccac gaaacatgat gggtatacaa tgcgatgaca atc                                     403
  
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<210> 24792
 <211> 423
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 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-C5

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<212>	DNA
<213>	Zea mays

<400> 24793

<210>	24794
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<212>	DNA
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<400> 24794

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gtctgaagat gctctttctt cttttgatac ttacgatgtt gtttatggag aacaagatgg 240
tctaggccca aaagcatttg atgtacatcc aatatctatc ttgcatcaac caagaaacca 300
tatttctgat aacattcaga tatatcaacc aaataaggag gcttcctcag aggtctctga 360
ggagcattgc aaggaagtcc agtgcacga aacaaatgag cttaggagga gtccattatt 420
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<210> 24795
<211> 379
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-B10
<400> 24795

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catggcggtc gtgccgtcaa cccgctggtt gccggcatct gctctcgcg cccattccca 180
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gtcgcggtgg cggcccgcac tattccaccg ncgcaggcac aggcctcag aacctgcgac 360
acgatgtaca tgaacacgc 379

<210> 24796
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-004-Q1-K1-B11
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tttatctaga ctcgcttagg aagaaatcgg ctgccaggct agctgctgga gcacatgttg 180

ttggcaacgt gctggtgcat gagagcgcca agattggaga aggttgccctg atcggtcctg 240
atgtcgcaat tggacctgga tgtgtcgtgg aggatggcgt gaggccttcc cgctgcactg 300
tcatgcgtgg tgtgcgtatc aagaagcatg cctgcatctc gaacagcatt atcggggtggc 360
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<210> 24797
<211> 351
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-004-Q1-K1-B12

<400> 24797

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gttcaagctc tgatcgtctc tccggcccat tcgccggagg aaactgaccg ccgncctctc 240
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<210> 24798
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B2

<400> 24798

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tatatatcac acacacacac actcacacat tctcacactc aagtctgcgt ttgccatttt 180
tcttttcttt ttctctacga cgcttcgtta ttcctcctt tcctctatct ctccgtgaac 240
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gtaagcagaa ctgctatata ttggtcctaa caatgttgct ctt 403

<210> 24799
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B3

<400> 24799

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atggatggga gacggtagcg gaggaacga gcggttatgt tgggtgtgcgt ggatctgata 180
gcatgacttc gtagcttcgt ttggttggat gtcaagtgtt tgtacaatgt aatctagggtt 240
atggatttgg gaatagaaga aagggtgcgc aggttcgatt tgtttgtata atcaaataaa 300
ggactgccca tggagccacg atttcacgtc ctggatgtca agtatacgtt gttcttctgt 360
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<210> 24800
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B6

<400> 24800

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atcgcataca agagggtccc catgaaggac ctatgtgtga tcttttgtgg tctgacccgg 180
atgacagatg tggatgggga atttcaccaa ggggtgctgg atacacattt ggccaagata 240
ttgcacaaca attcaaccat acaaatgggc taagtcttat ttcaagagct catcaacttg 300
taatggaagg gttcaattgg tgccaggata agaacgttgt gacagtgttc agcgcgccta 360
actattgcta ccgatgcggg aacatggctg cgatcctcga aattggcgag aacatggatc 420
ag 422

<210> 24801
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B8

<400> 24801

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taccagctgg aatgcatgtc gacgacgatg gtttcgagtt tcgacttcca ataatagtaa 180
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agatatctag caattgggtca ctgccttaa ttagttcgct ttgcttttga ggttgattcg 300
accatthttgc tgtagcgtga attgcatgca tggacatgca acgctccaat ggccttttga 360
atgtggaatt tttttcccca ttttctgtat ttttctata aaaaatgaac tggttcttat 420
ataa 424

<210> 24802
<211> 332
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-B9

<400> 24802

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aaggaaaaaa cgcgtctctg aattccacac ggccggcgaa gacacttgaa cagtcttgct 120
ggcaatggga aacaaggac cagtgccaac acaggaatcg acgaatgatg acgccgaggg 180
accgtcgtct acgtctgctg cgagcaatac taagagcaag acagacgtgg agcgagagca 240
gctgttcgaa ggatcaagcg acgacgacgc ccacacgcca cggaagagaa gcaccagga 300
gatcctcacc aaatacaagt tcaaagggga cg 332

<210> 24803
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C1

<400> 24803

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ggccggacct cttgtcgtct tgggtgcgcgc gctcggtttc ccttcctttt tccctcgcgc 120
gcggccaacc tagaaagcga cggcggagcc ggagagggaa ggggaggcgg gccggctggt 180
caagggcgga cgatgtgctg cggcggcgac ggggagtgcc ggccgctcgg gtggctcctg 240
ggcctgccct tcgcgctgct cgccgtcctc gtctccttcg tcggcgccgt catctggatc 300
atcgggctgc ccatctcgtg catctgcccc tgctgcctct gcgtgacggg gctgctggag 360
gtggccgtgg agctcgtcaa ggcgcgcgtc catgtcatg 399

<210> 24804

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C10

<400> 24804

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tcctacgggg cggcggcgcc gttcggaggc gccgcggacg caccgcggcgg cacctccgag 120
ggccctgcca gcgccagcgg gccatcggct ggtgacgccc cggcgtatgg cgccagcgcc 180
agcgccagcg gcccgactgc tgatgtcctg gcgacggcga cggcggcggc gtcgtccggg 240
ccctctagcg caccgcgcgc atcgtcgtct gagtcctccg gcgcaccagg gccgtcgtcg 300
tctgatgggt cctccggcgc cccggcgcca tcgtcgtctg atggggcctc caacgccccg 360

<210> 24805

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C12

<400> 24805

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caaccttttgg tctcccaaac ttggagctcc caaggggaga ggttctgcc aatttttggc 180
 ttctgagcat ccattttcaa ggggaggttc tgccaaaatc tgctcctgtg aacatagatt 240
 tctcaagggg aggttctgcc aaaatttcct actgtaacca ccagctttcc agggggagat 300
 tctgccaaaa tttcctgcac tgatcatcat tcttctaaag ggaggttctg ccgaagtttt 360
 cttgtgtgac gacgacgatc agtt 384

<210> 24806

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C2

<400> 24806

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 gacaaaagttg ccaactctgc ctacgaagat tggctagctt cggaccaaca agtccttagt 180
 ttccttcttg cctctgtctc caaggatggt ttgatccaga ttgcgactaa gcacaccgcg 240
 acggaggcat ggcattgcaat cgagaccatg ttctcgtcac aaacaagagc tcgggcagta 300
 aacacgcgcc tggctttatc caccgcccac aaagggaaca tgcggtggc cgaatatgtc 360
 gggaagatgc ggtctctcgg cgatgaaatg gctgcagcag gacgacctct cgaagatgaa 420
 gaattggtg 429

<210> 24807

<211> 362

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-C3

<400> 24807

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 ccaaagtccc ccctggcaag aacatcacgg ccacctatgg caaggactgg ttagacgcta 180
 aagcaccatg gtttggcaag ccgacgggtg ccggtcccga cgacattggt ggcggttgcg 240

ggtccaagga cttgaccacc cccctttaat atccatgcgc gcgcggggaa atatccatat 300
 ttaaaggtag gctctgtttt gggggccgcg tttagatcta atgcgctaag cttgtggagt 360
 gc 362

<210> 24808
 <211> 430
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-C4
 <400> 24808

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 accacacgca ggtacgaaga aggcgacgaa catggcgagg ctggccttgg tagcggcggt 120
 ggttctgtgc ctctgttag cgacagggcc gcagggggcc atcagcgccg aggggatggt 180
 gtcatttgac aatttgatca gctgcaaggt actgggcaac tgcgacaaga acctgggccc 240
 cgaggcctcc cgcccaggga aaccgcgcaa cgactacacc cgcggtgca acccgatcac 300
 cggctgtcgc ggctgatcat atctctctgg tcgatgtgcg cgcaatgtca atgtcgcacg 360
 cgcggtgcagg taccaggcct cagcgtgtgg tgccgcgtgt gtgtatatat tacacacatg 420
 cattatacat 430

<210> 24809
 <211> 250
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-A9
 <400> 24809

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 aggttccttg gaccactata tccaggagcg acgaagtgat ccaccgcca gccatggaga 120
 tgaagaaggt cctctgcgcc gccctcgtcg acgacgactc tgacaccgtc gtgctggcct 180
 cggtcgactg ctaggcgctc tccgaggcgc ccgcacactc cgcctgtggt gcggctggac 240
 ctaacgcaag 250

<210> 24810

<211> 286
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H12

 <400> 24810

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 tgccagccgg cgatcgcgcc gtgggatctc atcgaacgaa gcgggcggcg acggcgatgt 120
 caagggagggc ggcgaggacg aggagccggg tcttggtggt tggcgccacc ggccgcctcg 180
 gtggaaacat agctcaggcc agcctcgccg cgggtcaccc caccttcgcg ctcgttcggc 240
 cccaccactt cgcacgcccc gattcccccg tgctcgagcc gctcgt 286

<210> 24811
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-H2

 <400> 24811

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 cagacaaggc aacaacaatc tgttccggcc gccaaacaaa accaaaaaaaa aaacacactg 120
 aaccaataa tccgatccca cagaaacttt tctctcggtc cgttcgatcg atcgctgccg 180
 tgctgtttgc cagacaccat cagcacccaa aaccatggcc tgcaacctgg ctcagtgcgc 240
 caccgccgcc gcggcaaccg tggggcccgg aacccttggc ctgtgtgtgt cgccttcgtc 300
 ttcttcttcg 310

<210> 24812
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-H3

 <400> 24812

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 cccaacgaaa atgtcgcgcg ccacagctgc ggtcctcttc tacatcctcg ccgtcgctgc 120

cctcagcgcg gccgaggcac cggcagagtc accgaaggca ggcagtcctg ccaaggcacc 180
ggccgagtca ccgaaggcag gcagtcctgc agctcctgcc aaggcaccgc agtctgctgc 240
cacgagaact gcccccgcta aggcacctca agccgtctgc acccccgccg ctgccgctgc 300
cccatcgctg tcgtcgtcta ggaagtctgg tccagctgcc gcgccgacca ccgccgnctc 360
tacaccgtct tcttcacgg acgaggagtt gagccct 397

<210> 24813

<211> 292

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H4

<400> 24813

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gactagataa cagcaagcgt gaaccatggc ggacgagtac ggccgcagcg gctacggcag 120
gtccggcgcc ggcgacgact acgacagcgg ctacaacagc aagtccggca ctgatgacta 180
cgcccgctggc gaaggtggct acaacaagtc gggcgcgcat gacgactact gccgcagcgg 240
cggcgatggg tacggcaggt ccggcgggca cgactactgt cgtggcaccg gc 292

<210> 24814

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H5

<400> 24814

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cggtgtctc ggccgtcgcc gccgccgcg ccgccctatc ccggtccttc aggtgaacca 120
ggttggccat ggccttcaac aagatcaagg tcgccaaacc catcgtcgag atggacggcg 180
atgagatgac caggggtgttc tggaaatcta tcaaggacaa gcttatattc ctttctgtag 240
acctcgacat caaatatttt gacctcgggc ttccacaccg tgatgctacc gacgacaaag 300
tcacagtgga ggctgcggag gccacactca agtacaatgt ggctatcaag tgtgccacca 360
ttacaccaga tgaagcaagg gtaaaggagt ttggcttgaa ggctatgtgg aag 413

<210> 24815
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H6

<400> 24815

cccacgcgtc cgcaagcaac tgcaaagcag caagctctac tcttcttctg tactgaacgt 60
gtgactagat aacaacaagc gtgaaccatg gcggacgagt acggccgcag cggctacggc 120
aggctccggcg ccggcgacga ctacgacagc ggctacaaca gcaagtccgg cactgatgac 180
tacggccgtg gcgaaggtgg ctacaacaag tcgggcggcg atgacgacta cggccgcagc 240
ggcggcgatg ggtacggcag gtccggcggc gacgactacg gccgtggcac cggcggcggt 300
ggctacaaca agtccggcgcg cggagacgac tacggccgca gcggcggcga cgactacggc 360
cgtggcaccg gcggcggcggt gtacaaca 388

<210> 24816
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H7

<400> 24816

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gtcggtcgct ctgttcagct agctgcatgc tcggccacca tatctcctcc agtacgttcg 120
tcgttctcca cgccgctatc tggctctgcg taagcagcag ctagaggccg ttgtgtaggc 180
tacacagaag atcatcgagg atgctggtga agaagaacaa cagcacggcg atggcggcg 240
gcgtgctgcc gctggcgctg ctgaaccaca tcagcatcgt gtgccggtcg gtggaggcgt 300
cgctgcgctt ctatgcggac gtgctcggct tcgtgcccat ccgccgcccc ggctccttcg 360
acttcgacgg cgctgggtg ttcaactacg ggatcggcg 399

<210> 24817
<211> 95
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H8

<400> 24817

accacgcgtt cgcaagcaac tgcaaagcag caagctctac tcttcttctg tactgaacgt 60

gtgactagat aacaacaagc gtgaaccatg gctga 95

<210> 24818

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H9

<400> 24818

cgcagcagag acgggatctc caggccaaca ttccagcatt gcgtaaactg gacacgatgc 60

ttctcgacta cctggataac ttcaaggaac gcaacgagtt ctggtacgtg aagcgcgact 120

cgtgctcaga gagcgagAAC gaggagaggt ccgacgagaa atggtggatc ccgatcgtca 180

aagtgcccc cggcgggctt gtccagaact ctaaaaggct gcttctggac caaaaaggac 240

ttgtgaaaca agtgcttaaa gcctgccttg gccataatgg caacttgctt aatgaaaata 300

accttccgga caccgatttt gaccgccttc cttaaaaccg gaaaaccaat cttgggg 357

<210> 24819

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A1

<400> 24819

cccacgcgtc cgcggacgcg tggaaaaaaaa aaaaatataa taaatacaaa aataaaatgg 60

gtatttaata aataaaaaca aacttaaatt aatatccgtc catctgattt tctgcccctt 120

ttatctggtg cgcgctcttt tactttttcg ttctcttacg ctgtccttca tcttctttat 180

cttcccatte ctcttctgaa ccacgttttc tacagcttct atttttacct tgtttcttag 240

tctgcctctt gtta 254

<210> 24820

<211> 367

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A10

 <400> 24820

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 ggccgtcgtc agggggcgcg ggcggcgctc gcagtcggag ttggagtcgg acccgagaaa 120
 ccagtgcgtg tacacggtgt acgtgaggac ggggtccatc tggaagggcg gcacggactc 180
 gaccatcggc gtgacgctgc tggggccccga cggcacgggc atccggatcc gggacctggc 240
 ggagtggggc ggcctcatgg ggcggcgcca cgactactac gagcgcgga acctggacat 300
 cttcagcggc cggggccccct gcatgagcca ggcggcctgc gccatgaacc tcaccttcga 360
 cggcacc 367

<210> 24821
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A11

 <400> 24821

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 gtgacatgca tccagttcaa ccctgttgat gatagatact tcattagtgg ttcactggat 120
 gaaaaagtgc gcatatggag cattcaaac cgtgaaattg ttgattggaa agatttgcac 180
 gaaatggtca ctgctgcttg ctatacccca gatggacaga gtgcactaat tggttcccat 240
 aaaggcagct gccatattta tgatacatct gataataagc ttctccaaaa gaaacaaatt 300
 gacctgcaaa ttaagaaaaa gaagtccagt cagaagaaaa taactggatt tcagttcctt 360
 gaatagtttc tcccaggag tac 383

<210> 24822
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-A12

 <400> 24822

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 tggatgatga gaaggcaatc gaggaactg gcagacgatt cagagacact gttcttgctc 120
 ttggaggtgg aaagtctccg cttgaggtgt tcgtttcatt ccgaggacgg gagccttcgc 180
 ctgaaccact tcttagacaa aacggcttgc ttctgttgc tgcctagtgc cccaaagatt 240
 tctctgttat ttatgcttaa acagggacca tttcatccg gtcaattatt tgatgaagat 300
 agacatttcg cccttggttg tttaccctcc tctagattat taaataagtt agaagacaaa 360
 caaacaacac atattattaa tgtatgtgtt ttggatatgt gtctagattc a 411

<210> 24823
 <211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-A3
 <400> 24823

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 tcttgcata atcgaccccc cttcaattcg atccatcgat ctgatgttct gcagtttcaa 120
 gctgaggagc ctctcttcc tttggcgagc tctaacgctg gcgttggtct cttcatctc 180
 ccaattcctc tggatgaacca tcgctgcgac ggcttggatt tggttctggg ttcgcagtct 240
 gcctcttggtg atgcatcacc atcgccggtg gagggccgac gacgatggga tcaagggtt 300
 actatgagat cctcaacgct gaccggagcg ccaccgatga cgacctccgc agggcctacc 360
 ggcggtggc catgcggtgg caccgccgata agaaccgcc cggaaggca gagggcgaga 420
 cccggttcaa g 431

<210> 24824
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-004-Q1-K1-A4
 <400> 24824

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 accgggctca ctatgcgtcc tctagcgacc gaccaacgcy ccgagcgaag atgtcgtggc 120

agacgtacgt ggacgagcac ctgatgtgcg agatcgaggg ccaccacctg acgtcggcgg 180
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 ccgaggagat ggctgccatc atgaaggatt tcgacgagcc ggggcacctt ggccccgaccg 300
 ggctgacctt gggaggcacc aagtacatgg tcatgcaagg cgaacctgga gctgtcatac 360
 gtggcaagaa gggatccggg ggcattactg tgaagaaaac agggcagtcà ttcattattg 420
 gcatcta 427

<210> 24825
 <211> 254
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A5

<400> 24825
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 tggcgttcgc ataccgctcg tatcactttg gaacaaattg aactaattcc aatcatacat 120
 tttacacgtg ctctggaact acttcccacg gaaactacta ctacctgttc tagtaaaatt 180
 catgtacttg tttacaccac atgagatagc tcatcccaac atgcatcttt gaagtatcag 240
 catacgtcta gacc 254

<210> 24826
 <211> 310
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A6

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 gatgcagcga atgccatcga gctgcgcttt tacatgttta tcatcagatt ccattttgcg 180
 gcccgaaaca aggtgtgacc ggggtggggt aggcgactag attgcacgat tatgtacttg 240
 agatttgttt gttgaactgg gttgccgacg gttaatcttc tccatttgat tttatcttgt 300
 tagcagcgca 310

<210> 24827
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-A7

<400> 24827

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ggtgtaatgc gacacctgcc gggcgggggt cgagacgaac gcgacgacgc cgatcgcggg 180
cgccaagggtg cggctggagt gccggcacta catgagcgcg agcggcgcg tggagcggtc 240
agcggagggc accacggacg cggcagggaa gtaccgcatc gagctggtgg acaaccgcgg 300
cgccgaggag gtgtgttcgg tggcgctggt cagcagcccc gtgcccgggt gcgccgagaa 360
ggaggttggc cgcgaccgcg cccaggtgtc gctgttcacg gacgccgggg ccggcctcgc 420
cacc 424

<210> 24828
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H11

<400> 24828

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tcgtcgtcgg cggcggcggc gaccgcggcg gatccgacag ccagccctcg tcgcagccgg 120
gccgccatgc cgtcgtccag ctcccaagac ggcgtaacct cttatgttct ccagatccgg 180
aaccgtgcgg atggtgttcg gggttcggcg accggaaaga aaaacgtttt ggcccgggtct 240
cagctacgta cttcccttat tctttgacca agcctactga ggagaggaaa gagcatgatc 300
gcaagagccc ggtgacagca ttggaggtct atcccagcaa aaaaacagac caccgatctt 360
tttgagaaga aacctcatcg ctgatttacg gccagcgtgt c 401

<210> 24829
<211> 356

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-F5

 <400> 24829

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 tgcggcgcca atgtgccctg cgaatatagt gtcacctacg gtgatggtag ctgcacgata 120
 ggttcctttg tcaccgatgc tctgcagttt gatcaggtga ctagggatgg gcagacacag 180
 acggctaata ccagcgatcat tttcgggtgt ggtgctcaac aagggtggga tttgggaagt 240
 tcaaaccaag ccttgatgg aattcttggg tttggtgagg caaatacatc aatgctatca 300
 caactaacta ccgctggtaa agtgaagaag atatttgccc atagtttaga taccat 356

<210> 24830
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-F6

 <400> 24830

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 cgcaccccc tctctctatc tctccgcgcg ccgttgatct atcaccgggc cgccggtccg 120
 tgactgtcgc cagcgggtgc tgggtgttgc ttggttgctg cgccgcggga gccgtgtgac 180
 ccgggcgcaa tgccgggagc cgtgatcgtg caccaccaca cgaggtacaa gacgtacccc 240
 ggcgaggtca ccggcatcgc catcttctcg tgcttcatcg cctccgtcgc cggctgcatc 300
 ttcggctatg acatcggcct cacatccggg ctgacgtcga cggagccgtt cctggtcaag 360
 ttcttcccct ccatctacga ggagatgaag aggcaggtgg tcgtcaacca gt 412

<210> 24831
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-F7

 <400> 24831

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acaacagtgt actgtccacc cactccctcc tcgagcacac tgatgtggct atactgctgg 240
acaatgaggc catctacgac atctgccgcc gatcccttga cattgagcgc ccaacctaca 300
ccaacctcaa caggcttgtg tcccagggtca tctcatccct tactgcctcc ctgaagttcg 360
atggtgctct gaacgtggat gttaacgagt tccagaccaa cctggtaccc taccc 415

<210> 24834
<211> 361
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G10

<400> 24834

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gcatatatat attcctgcca agataaaggt aatggagtcg tcacgcaggt tccagccggc 120
cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa gggaatgcga 180
gaagtacagt gagcgatttg gtggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
ccgcggtgaa ggcttcttgg cccgcaagtg caacaccttt cggcggcggt tcatttgcac 300
taagcaatgc ttaacaagat cggttgatcg gttgccatgc attgacaacc tattcttaat 360
a 361

<210> 24835
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G11

<400> 24835

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gccgccgcgt ccctgctccg caccatcgtg gagatcgtgc acacctgcca ctccctgggc 120
gtcatccacc gcgacctcaa gcccgagaac ttctctctcc tcaacaagga cgagaaagcg 180
ccgtcaagg ccactgactt cggcctgtcc gtcttcttca agcaagggga ggtgttcaag 240
gacatcgtcg gcagcgcgta ctacatcgcg ccggaggtgc tcaagaggaa ctatggcccc 300

<211> 316
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-G6

 <400> 24838

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 taccctgtgt ctttgcttgc agttcctcta tttctttttt gcatcggtat gtggcggttc 180
 ctttttttta cattggctgt tgtgggtctg gtcagactgt gttgggtctag attcttgctt 240
 tgtgtgatcg gaaacatgct atcgcgctg gcagagctgt tgggtgaaaa aaaaaataa 300
 anatatagtg ttgaac 316

<210> 24839
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-G7

 <400> 24839

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 agcctttcgg attcattttc acatggtttg ctgctttgcc cctaattattg ttcttagcgc 120
 agtcattgac taaggctata gtccaggatt ttttaatcct taaggggcca tgcctaatt 180
 gtggtactga aaacctttcc ttctttggga ctatactgtc agtctccagt ggcggtacaa 240
 caaacaagt gaaatgtgca aattgcagta ccgagctgga atatgactca aaatctcggg 300
 tgatcacact tccagaagca tcaaagcat aaacataggt gactctacat ttacgccagt 360
 aactataaat ggatgctctt tgggtctatat tccaaatgtg ggagatatca caccagcttt 420
 g 421

<210> 24840
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-G8

<400> 24840

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ggagagcgtg tacatggcca agcttgcgga gcaggcggag cggtagcagg agatggtcga 180
gttcatggag cgcgtcgcgc gctacgccgn ggcgccggcg gcggggagga gctctcggtg 240
gaggagcgca acctgctgtc cgtcgcctac aagaacgtca tcggcgcccg cagggcctcg 300
tggcggatca 310

<210> 24841

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-G9

<400> 24841

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cggctggacc gtggacgcgt ccaatttcga ggtcccctgc tcttccccga acccagcgcc 120
gcccccggtg gacagggcta ccgctaacgt cgccgccgac gcctcaaggg caccgctcta 180
cggctctcgc gcgaccagtt tcatggcttg gacgaggtcc tcgcggcagt cgtcgtgctc 240
cgacgaagcg gcgcccgcag tagtgccggc catcgaggag ccgcagagat tgctgaagaa 300
agtgggtggc ggcgggcgcg gtgcttgga gagctgtggc ggcgcgacgg gagcagcaca 360
ggaaatgagt gccaccaaga accacgtcat gtcggagcga aagcgacgag ag 412

<210> 24842

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-H1

<400> 24842

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catgggctgg ttaccaaatc caggaaacac cagcatgaac atgatctggg ctgcaactca 120

aggccagggg actccaaatg cggctcctat gatgggaggt cagatgcaag gagtcccaat 180
ggccccttgg ggtggtgttg cagcaggaag tgcaaattct taccctgcct ggggaaacca 240
acaagctgga aacatgaacc aaaatgttgg ctggagtgtc cctgtgcagg gaaatccagg 300
tcaggcaaat aacaacatga actggaacgc accaaatggt aatcctaatt ggaataatca 360
acagagagag aatgggggca ggcactctgg acaccgcggt gctttt 406

<210> 24843

<211> 414

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-003-Q1-K1-H10

<400> 24843

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tctgtcagcc tcttgggtccg caacattcca ttgagatgca ggcctgagga actacgtgtc 120
cctttcgaac ggttcggccc tgttcgggat gtttacctgc caagagatta tcacactggg 180
gagccaagag gatttgggtt cgtggagttc gttgatgctt atgacgcttc tgaggcacag 240
taccacatga atcgccagat gtttgctggg cgtgaaataa ctgttgact tgctgoggat 300
acacggaaaa agcctgagga catgcgtaga cgaactggac caagagggtta ttctgggtcat 360
gaagggcgtc gtccgaatcg tcatggtgca ngacggtccc gatctcgttc atac 414

<210> 24844

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F2

<400> 24844

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tattgagccc tgtcccagca tgcaaagagg atttctcacg gaagaagctt acttcgttcg 180
acaaacttat agaaagaaca tgtagttcta taaggaaatgt aaggcttcat tgtgacgctg 240
atctaaagcc aagtggaggt gttggaactt ctggaatggc accagatgca gctgagatac 300

agcttaaaag ccccaactgg ttgtttggtc aaaggaagca tacggagaca atttcaaccg 360
 caagagttgc cccggttgaa aacgtgaacg aggggaacag agacgagtca aatgtgtctc 420
 tttgtgggga actaatttg 439

<210> 24845
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-D7
 <400> 24845

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 ggctgtctcg cccctcactc cagccagacc tggcgcgtct gtcctcgcttc gacccacgcg 180
 acgtcttctt ccttgaggac gcgctcaccg gtcctcgacct gtcctcgctgc gccaaattcc 240
 tccacggcct cctccaccct gcggactccg cactgcccgt ccttgagagac ttcaccttcc 300
 gcgaccgctt cctcctccgc gaccagccg acgcgctcgc tctgccgggc ctctcgtcc 360
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<210> 24846
 <211> 324
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-D8
 <400> 24846

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 ccaagatcaa aggccggaga aggaggaaga aaggctaggg agtcggctat ggcattgctgt 180
 tcatgctgct gtgtggcaga tgacgacaac gttggcagga ggacgaagca tgacgatccc 240
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 cctgtcatct cactggcag agct 324

<210> 24847
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-D9

 <400> 24847

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 tgtcgtgcat ggtgagaagg caaagtcaaa ggacaacgat gcaaaagcgt ccgggcccgg 120
 tgggtccttc gacatcacca agttgggcg cttcggcaat ggcaagactg atagcacgaa 180
 ggctgtgcaa gaggcgtggg catcaacgtg cggcggcacc gggaagcaga cgatcctcat 240
 tccaagggc gacttctctg tcggaccact caacttcaca ggcccatgca agggcgacgt 300
 gaccattcaa gtgaatggca a 321

<210> 24848
 <211> 342
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E11

 <400> 24848

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 ctgcggagtg cggagatgtc gtcgcagctg atcgaggagc accggtcggg cgcgagggtg 120
 cacgtcgggc acgagctgtg cgagcgcaag tcgcgcgagt tcatggtgga gctgggcctt 180
 cccgacgggc tctaccgct gccagcctg gacgaggtgg gctacaaccg gtcgacgggg 240
 ttcgtgtggc tgcagcaggc cgccggcctg acccacacct tcgggttcat cggcaagcaa 300
 gggtggtacg acagggaggt gacggctttc gtggagccgg tg 342

<210> 24849
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E12

 <400> 24849

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gctgatgcgt cgtcgaacgc ggcacgcggt ccttaaagcc tgcattgcgaa agccaggcag 120
 gcgtggacgt agtgattaga aacgggttcgg gtttagatggg tcgagaaaac ccagggtgcgg 180
 ccgtgcgggt gccgggtggt gcttgctcga gctgggtgcgg ttcgctcagc tggtttgatg 240
 actgatcggc tctagcgagt ggacgactct tcctcgtttg gatctttact caaggaatta 300
 cgaacagcat gaagatcttg ggtgctcttc tacgcgtcgt cacatgctat ggctaacaaa 360
 aatactttac g 371

<210> 24850
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-E2
 <400> 24850

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 aataacatca tggtcgtggg tgctgctcctt gcagcgctcg tcgccggcgg gtcattgcggg 120
 cccccgaagg tgccgcccgg tcccaacatc accaccaact acaacggcaa gtggctcacc 180
 gccagggccca cctggttacg tcagcccaac ggtgccggcg ctctgacaa cggcgggtgcg 240
 tgccgggatca agaacgtgaa cctgccaccc tacagcggca tgacggcgtg tggcaacgtc 300
 cccatttcaa aggcgggcaa ggggttcggg tcatgctatt angtgagatg caaggaaaaa 360
 cctgagtgtc cgggcaatcc agtcacggtg tacatcactg acatgaacta 410

<210> 24851
 <211> 103
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-E3
 <400> 24851

catggtaccc gccctgtatc ggagcattaa gcgcattctga tgtggtattg acacgcaccc 60
 tgatccgtac aatttccagc gccctatgtg cctgtcactt caa 103

<210> 24852

<211> 317
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E4

 <400> 24852

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 gggatatgca gcaagggggc agtgcgacg gatgcaatgc atttgaatgg ctgcacgctg 120
 ggctctggta gctctgacta tcgtgaaggc gagatatgcg cgagatatgt ttcgaatgac 180
 gcctgcgata ttcaaaatca tgagcggttac acatagctat tgtcgatgat gatatgatgc 240
 actaatggag cctaattggtg gcataaagta tagcagtagt tggtatatga tgtatgaagg 300
 tgacgttgac tacagca 317

<210> 24853
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E5

 <400> 24853

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 tagttgggag gatattgcta acattcaggc agaaagatgc tggcactgat ttaagtgttg 120
 tcattgctga gaagtctgga gagaaatcaa atgatgaagt gaaaagtcag ctatctcatt 180
 tccttccaac ttctcgccgg atcatgcagt tttcaaatgg gcaggctcct tcgccagggtg 240
 ctcggtgttg ctatgtagat ggcacatttg atcttttcca cgctggccat gttgagttcc 300
 tcaggagtgc cagacaactt ggtgactttc ttcttgctcg tatctatgac gacgagtcta 360
 tcagggatag aagaggctgc cgtcctataa tgcactccta tgagcgtact ctta 414

<210> 24854
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-E6

 <400> 24854

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ctgctgcgtc tgggtggtgg gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
gcgagctcgg gaatcagggg ttccacacat agcttcgtcg atttgaattt gatgtactaa 240
tggagtctaa ggggtggcaa aagtctagca gtagtcgttc tatgatgtat gaagctcccc 300
ttggctacag cattgaggac gtccgacctg ccggaggcgt gaagaagttc cagtctgctg 360
cttactccaa ctgcgcgaag aagccatcct gatatccctt ttggcttcct cattctagta 420
g 421

<210> 24855
<211> 413
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E7
<400> 24855

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tcttgcaagg tttctttgcg agtggccgga gaagatgatg ggccgggttcc tctccagggt 180
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gaacaaacca cagattgagc agctcatatt ttgggtgtcag tattggattt tagttgcctt 300
gttgacagct ttggagagat tcggagattt tacaatatca tggctaccgt ttactcaca 360
agcaaaggcg ttgatctttg catatatggg gtaccctacg acaaatggaa cta 413

<210> 24856
<211> 423
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E8
<400> 24856

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ctgggcacaa gtttgtcgga tgcccatgc catgtggtgt ccagataaca aggttgagc 120

atataaatgc cctttctagc aatgtggagt atctggcgtc aagggatgca acaatcatgg 180
gaagcaggaa tggccatgcc cctatcttcc tctggtacac cctcaacagg aagggctaca 240
gaggctttca gaaagaagtc caaaagtgtc tgagaaacgc acactaccta aaagatcgcc 300
tcaaggaagc aggaatcgga gcgatgctta acgagctcag tagcacagtc gtgtttgaaa 360
ggccaaagga tgaagaatct gtccgaaggt ggcagctggc ttgtgaaggg aatatagctc 420
acg 423

<210> 24857
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F1

<400> 24857

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ggaagcagag ctgcctccta actatgatag ggttgggata gagaatttca tccgtgcaaa 180
atatgaggac aagagatggg taccgaggaa tggaacattg cgaccttcct ccggtgttcg 240
agatgagaag agccaagagt ctccagctag tgctaataagg agtggacatc atagatcttc 300
atgtgagcaa aaccgtgctt caccagctct tccgagcaaa gttgcacatg tagcttcaag 360
gataccc 367

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<211> 339
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 24858

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caacgccgga gcgcctcct acggcgcggc ggccgcttcc gggggctccg ccgatgcccc 180
cgccggcgcc tccgagggcc ctgcgagcgc cagcggcccc tctggtgacg acgcgccggc 240

gtccggtgct ggtgccagcg cgtcggctgc tgatgctccg cggcggcngn ctnatccggt 300
ccctctagcg caccagcgcc atcgctgctg tctgagtcc 339

<210> 24859
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F11

<400> 24859

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cgcaaagaga tacagcaacg gcaagaattt tctccgcagc gcgggcgtgt gctgttgttc 180
gccgtccgcc tccgcccagc ttggtggtgt gcgcggcaag gaagagacat cgacctcggc 240
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gaagatgaaa gccagaagg agatcggcgg g 331

<210> 24860
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-F12

<400> 24860

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ggagcagtag ggcggtccg ccgacctcct ccgcgacgag ctggacaacc tcaaggcgaa 180
gatctacggc aaggccatgg agcagctgac cgccgcaatg ggcgctcct agagctgcga 240
ggacgcgtgg aagggcgagg aggaggatgt ccctgtcacc gcgcacgaca gggagtacgg 300
taggatggcg cacattggct tcgga 325

<210> 24861
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D6

<400> 24861

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cagtgcggga gacgacatca tgagtgcgga aggtggaggg gaatcaacca ctgcattggt 180
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cgcgtgtgtt ggtggcctgc aacgaggcct ctactcgact gacgtggtgg acgcgacagc 300
catcgagcgc aaggtggaaa taatggtgat cttgaggatc ctcgcgttgc gcagcacaca 360
tagttaatct aatctcggga cacgc 385

<210> 24862

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C1

<400> 24862

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gaaagcattc attggctaca tcgagaacct gacttcgatg ctgctgtgaa gtaggatcg 360
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ttc 423

<210> 24863

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C12

<400> 24863

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 gggtcacccg tgtctgccgc cggcggatgc cccctcccc cggtggttag gagctccatt 180
 cgtgctgccg tcgtgtgctg ctgggcgtct ccccaatgg ttttacagca tgggcattag 240
 agcactcaat gactgacggg gagctactct ggcgcgcac gttcaccccg gcagtaccta 300
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 aggtgcctca ctactgcac tacgtccaca cgcta 395

<210> 24864
 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-C2
 <400> 24864

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 cggcacgatg ccgcacgtca tgtgagggag atcccatcga cgatgacgtc cccggccccg 180
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 cttggtgtta tgagtgaacc cggaatatgg aagcacgac acttgctata tgtattatac 360
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<210> 24865
 <211> 261
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-C3
 <400> 24865

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gatgaccaac atcatgaagg acttcgacga gcccggttc cttgccccga ccggcctctt 240
cctcggcccc accaagtaca t 261

<210> 24866
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C4

<400> 24866

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ggagaaaggg cacctgcctg tgatgtcagc tgaaggttca ggagggtgtt atttcatgcy 180
agatgcaaca ggccagaaga atgttgctgt gtttaagcct attgatgagg aacccatggc 240
caaaaacaac ccaaggggcy ttcctgtgtc cacagacggc gaggggatga agaggggaac 300
aattgtaagg gaaggtgcat tcagggaggt tgcagcttat attctcgacc atccagttag 360
tgatagtaaa tatggtcaca gt 382

<210> 24867
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C5

<400> 24867

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gactcgact ccgtgcagat catcctcccc aagatgcagc taaagcgcaa atccgacatg 180
tacgtgttct gctgctacta ctcccacaac gtcgcgccca aaggcaagtt catcgtcttc 240
gtctccaccg aggccgagac cgacaagcct gagatcgagc tcaagcccgg gatcgaccag 300
ctagtctcct ggagtggaga ccttgttcga catctacgac agatatgaac ccgtcaacaa 360
ccatgactac gactgctggt tactcacata ttgcta 396

<210> 24868
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-003-Q1-K1-C6

<400> 24868

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 tcatgcgctc ctgttggaga gagtcgagca tctgactatg gattagttaa gttcgatagt 180
 tcaggccgtg taattcagtt ctctgagaaa ccaaagggtg ctgccttga agaaatgaaa 240
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 tcaatgggag tttacgtttt taagagagat gttttgtag accttctaaa gtcacggat 360
 gctgaactgc atgactntgg ttctgaaatt ctgcccaagg ctttgcata gcaaatgta 420
 cagggcataat gttt 434

<210> 24869
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-C7

<400> 24869

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 ttgctattgc tgcgatggga ccgatccaag gacttccaga ctacaactgg ttcagacgcc 180
 ggacctacat gctccgttac taagatcaat ctgccggtgt accatgttta cgggtgtgcaa 240
 ggacaaagat aaaatttgcc tctttcggcg tctgtatata aaggcctcag cactgcacat 300
 cgcttgctgc gacagagggtt tttttcttct tcagaatttg ttttatttct tttcttgctc 360
 agaatccaca aatctgcaa taatgatagg caggttcgac tgacgtggct tacttgggtg 420
 gtcagcctat ggtattttt 439

<210> 24870

<211> 362
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-C8

 <400> 24870

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 agctgatcga ctgtccgtgc atgcgtgcc aattaataa ttgggctgat gatgcctgat 180
 gttcaatgtg tgatactggg aatcaagcag gagaccacac ttgaattctc tacagtttgg 240
 cataggctcg gagagacact ctgcaccggc cacaccatgt aacaaactaa ctttcttcgt 300
 tgtctcccat tattttcttc cacggagttc ttctgatgaa acaacatgtt ctaattgggc 360
 tt 362

<210> 24871
 <211> 279
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-C9

 <400> 24871

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 ctactcgtaa taatggctct tagtatccaa atcaaactag cactgaagct ggactggagg 180
 tcatactcgc tcagtctgtg taacagtgtc agattgatta tcatgctttt gtacgacatc 240
 aggaatcata ccacgagatc atgcgatgtt aacaacaat 279

<210> 24872
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-D1

 <400> 24872

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ggcaaatttc tcacacatgc ttggttttga cgaccaaaaa atgctggagc tgatgcggct 120
 ctatgtaaca attcacactg atcatgaagg cggaatgtc agtgctcata ctggatcatct 180
 ggttgggagt gctctgtcag atccttatct ttctttcgca gcggtcttaa atgggctagc 240
 tgggccactg catggccttg caaatcagga agtgctttta tggatcaa atctgtaattga 300
 ggaaactggg agtgggtgta ccacagatca actcaaagac tatgtctgga agacactaaa 360
 gagtggaaag gttgttctct ggtttgggtca tggagttctg cgta 404

<210> 24873
 <211> 293
 <212> DNA
 <213> Zea mays
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 gccgtagact tgtgcgggtg tgttcttata acagatgaga gtgtgggtgc tcttgccaac 180
 ggatgtccgc acctgcgctc gctgggcctc tacttctgcc agaacatcac ggaccgcgcc 240
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<210> 24874
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-D2

<400> 24874
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 cgggcggtgc gtacgcgtcg tgcgaggacc tgccgaagct gggcgcgctg ctgcactgga 180
 cgtacgacgc gtccaagagc tccctgtcgg tggcgttcgt ggcggcgccc gcggcggcgg 240
 gcggatgggt ggcgtggggc ctgaaccga cgggcgaggg catggccggc gcgcaggcgc 300
 tggtagcgct ggcggggggc ggggcccggc cgcccgcgt gcggacgtac aacatcacgg 360

ggtacgtccc gctgggcaag gcctacacgc cgctggact

399

<210> 24875

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D3

<400> 24875

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tggaataat atgcatgggtg cagctattta cttatgatct gatatgcaat cagatgtact 180

tgacgattcc agtttattgt cattctgacc aactctagtg tttctgtcgc aacatttcaa 240

cttatttgca agtgggttatt ttgtttttac tatcttatct tgagctcaat tcttttttga 300

atgaaattct tgagttcatt tcttgtcaca tgggctttat acagctctgc cttatgtttt 360

gcaccttcgc ttatcaccat attctattca acaagcaagc ccacaatgca atactttgtg 420

t 421

<210> 24876

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D4

<400> 24876

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gaggagctac cacacctga cggctgacct gtcacgtgg cctaaccctg atgcgcccgg 180

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gggcagctca cagaagg 257

<210> 24877

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-D5

<400> 24877

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gtgtgaatct gatcagcttt cataccatag tcagtgtga tgtggatatg caatatttgc 180
ggattttcttt atgtgttcat ggattttcaaa ttgaggacgg gcgcacgctt gctgactaca 240
acatccaaga aggagagcac cctacaactt gggctgcggc tctagagaag cctgcctaac 300
ttacgcaaga ctgctgacct ggtagacttt caatactgga agcggagtcc aatgacatga 360
tcgacgtctt ccaaggccag aactggg 387

<210> 24878

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B9

<400> 24878

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ggagcaagct tgcagtgaag catataagac ttcaaacaca cgataccagg catgcatgcc 120
atacagtaca tgggaatgaa aaccacacaa cgctcgacta ctgataattg catgacacag 180
tcacttacga ttgctataat caatactgac agcatgacct acatgggttc aatgcaggca 240
ttcgcttat taatcatcca ctacacactc accctaccta atagaaacaa cctggacagc 300
ctaatcaa 308

<210> 24879

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A12

<400> 24879

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aaccaccaaaa accagccgct ggagcagttg ataataaatc tgatgccgat tctcggcta 120

gcacggctgt gaaagaaaat agtgttgccg ctgcagaatc caacaagggg actggaagca 180
atgataaaga tgaagtattc tcggacagtg acgacgggga ggatggatca tctaaggaaa 240
gaaaggagag gactgctggc gcggtgggtca aggcagtgtg aatgctgcta aaccatctca 300
aacaagcaac gtggagaagg aggcacgggc cgctgctagc agacttgata aagtatagc 359

<210> 24880
<211> 407
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-A2
<400> 24880

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ggcctcccg cgcgccggc aattgttgtt gctgctgcgc gcagggcggt tctggattgc 120
ggtctgcccc acccacgaac aatccatggc tccatctccg cctcggcgtg ctgcgctcct 180
cctcaccact gtgcttctgc tggcgggcggc cgggtccacc cccggcgcca cggctgctgg 240
catcttccag gtgcgcgcga agttaccgc cggggtggga gggggtgctg gcgccaacat 300
cagcgccctt cgcgccacg acggcacccg tcacggccgc cttctcgag cgcgcgacct 360
ccctcttggc ggcctcggcc tcccactga cactggcctc tattaca 407

<210> 24881
<211> 255
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-A3
<400> 24881

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cctttagggtg gtcaccgcgc tcgacacctc caatacgcaa tggtagcact tcaccgcat 120
cgtggctgcc agcatcgggt tcttcaccga cgcctacgac ctcttctgca tctccctcgt 180
gactaatctc ctctgccgca tctactacac cgtggagggg tccgccacgc ccggcacct 240
tccgccgtac gtgtc 255

<210> 24882

<211> 407
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A5

 <400> 24882

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 gccacccggc cccaacatca ccaccaacta caactacaag cggctcaccg ttagggccac 180
 ctgtaaccgt cagcccaaca gcgactacac tcctgacaac tgcggtacgt gcgggatcaa 240
 gaacgtgaac ctgtcacctt acagcaacat gacggcatgc ggcaaacctc tcattctcaa 300
 ggactgcaag ggctgcgtct catgctacga agtgagacgc aaagaaaaac ctgagtactc 360
 tcacaatata ggcactgtgt acatcactga catgaactac gaaccta 407

<210> 24883
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A6

 <400> 24883

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 gaagaggggt ggcttccaaa gagccccgga gcggcccctc gacttcgggt gtcgattctg 120
 agaaccgcgc taacttgtcc agtcagttag cccttttgaa agtggtgaag cagacaaaag 180
 gccacgtgtc agagtgaccg gaagaacgag aaaggggtgt gtttcagtgg tgtgtagtag 240
 gtaggtaatt ttgtgtgtat gcctccgggt aaaagccccg cggtagccag tttgtagatg 300
 gtgcttctcc tgggtgctagt ttcccgctgt aagctggatt tttttggggg gtgtgtgccc 360
 tgctctgtgt gctgaccgcg ctgggggtaa gttgtagcag agcaagagaa ag 412

<210> 24884
 <211> 403
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A7

<400> 24884

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cgtggtcgcc ggcatggggt tcttcaccga cgcctacgac ctcttctgca tctccctcgt 180

gactaagctc ctcggccgca tctactacac cgtggagggg tccgcgacgc ccggcaccct 240

cccgccgcac gtgtccgcgt ccgtcaacgg cgtggccttc gtgggcacgc tgtcagggca 300

gctcttcttc ggctggctgg gcgacaagct cgggcgcaag aaggtctatg gcatgacgt 360

catgctcatg gtcctctgct ccgtcgcgtc ggggctctcg ttc 403

<210> 24885

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 24885

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gatgccaagg gaaaacggca tcagctgaca cattgctata ttctgttta tttcgtccga 120

ataaagtata taacttaaga aaggggctct tgccccacag cagctcaagc aaaaatgtac 180

aaagaaaagc agctcgagta gagagaattt gccactctct cgacagattg agctgctgcc 240

atggcgctaa ttcacgacac atttgatgtc tcggcaagac ggggaggagc tcagtaagt 300

agatgataaa aaaatagaat caggttggag ggtaagtata cacgggtaga aaaattgcct 360

ccttggcctt aattntgggt cttctccacc ttggccttga tcttctgctc gatgattgcc 420

ttctc 425

<210> 24886

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B1

<400> 24886

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 tccggcgaca agcaccacgc aggggactac aagattgatt ttgatggatt atgacaagtc 240
 tagaagaagt aactccaaaa agaggacaca ttccaattct gatgacggaa agaggaaacg 300
 gttgagctct aggcattgatg acacatctat gtcctctgag ccaattgaaa ccatctacag 360
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<210> 24887

<211> 250

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B10

<400> 24887

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 tatggtgtga gcgctactgc catgtccatg ttcactatga tctagaggaa gcgcacggag 180
 cctgccaact tcaatgcttt ataccctctg cacaaccaa gtgcgacact aggaatgctc 240
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<210> 24888

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B11

<400> 24888

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 ggctatcccg ctgcactgtc atgcgtcgag tgcgtatcaa gaagcatgcc tgcattctga 360

acagcattat cgagggggcac tcaactgttg gacaatgggc acggatagag aatatg 416

<210> 24889
<211> 151
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B12

<400> 24889

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cataagtgcc gtcaaccgcg tgattaccgg c 151

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<211> 382
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 24890

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cgacggctcc tacttcagct ggaccggcga cgacgcgctg gagctgctgg aggtcttcgc 180
catcgccgtc acgatcgctc tcgtggccgt ccccgagggc ctgccactgg ccgtgacgct 240
cagcctggcg ttcgcaatga agaagatgat gaacgacaag gcgctcgtgc ggcacctcgc 300
ggcctgcgag accatgggct ccgncaccac catctgcagc gacaagaccg gcacgctgac 360
caccaaccac atgaccgtcg tg 382

<210> 24891
<211> 194
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-B4

<400> 24891

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 tcggacatct ggaactaaca aaaccctacg tggatgcgta tgacatgtct tgctcgacaa 180
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 <211> 414
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-B5
 <400> 24892

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 ccataggtgg agctaccctc tcagaaggta aatcaaaagt acaagagcgc cagcgggtcca 180
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 agcttgagga gaaggtcatt gcactcctga caaaaccgc atcaatgcct gctgataagg 300
 aggaggttct gcaggctgct gtctcccgcg ttagtgcact ggaagaggag cttgcagcta 360
 caaagaagac cttgcaggag actcttgagc gtcagttgga gatcgttgca taca 414

<210> 24893
 <211> 398
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-003-Q1-K1-B6
 <400> 24893

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 tttggcctcc gtcctcccg cggaacaaaa gaacttgctt gggaacaggc tctatcctct 180
 tgttgagagg catcagcccg aactcgcgag caaaatcact gggatgctct tggagctcga 240
 caactctgaa gtgggtcacgt tgctttgctc gtcggagatg ttgtcgggtca aggtcgacga 300
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[illegible]

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<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-003-Q1-K1-B7

<400>      24894
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aacaattctg	tgccatcata	aatcctcctc	agtcagcaat	tttggctatt	ggttctgccg	180
agaagagggt	gatacctggt	tccgccgatg	gcctgtatga	gtttggttcg	ttcatgtcag	240
ctacactgag	ctgtgaccac	agggttatag	atgggtgcaat	cgggtcggaa	tttctgaaag	300
cattcaaggg	ctacatcgag	aacccgactt	cgatgctgct	gtgaagttag	gatcgatgac	360
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<210>      24895
<211>      387
<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
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<400>      24895
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cggcgacgac	gaccgccgcc	gtcctcttat	gcctatgcgt	cgtcctctcc	tgtgccgcgg	180
ctgacgaccc	gaacctcccc	gactacgtca	tccagggccg	cgtgtactgc	gacacctgcc	240
gngccggggtt	cgtgaccaac	gtcaccgagt	acatcgcggg	cgccaagggtg	agggctgagt	300
gcaagcactt	cggcaccggc	aagctcgagc	gcgccatcga	cggggtcacc	gacgcgaccg	360
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10803

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-003-Q1-K1-A11

<400> 24896

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 ggcataacaa aacaaaccct gaagataata gatacttcat taaaaggaat cactggatga 120
 aaaagttcgc atatggagca ttcaaaaccg tgaaattgtt gattggaaag atttgcata 180
 aatggtcact gctgcttgct ataccccaga tggacagagt gcactaattg gttcccataa 240
 aggcagctgc catatttatg atacatctga taataagctt ctccaaaaga aacaaattga 300
 cctgcaaatt aagaaaaaga agtccagtca gaagaaaata actggatttc aggtccttga 360

<210> 24897
 <211> 259
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G3

<400> 24897

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 tgctgctgcg cgcagggcgg ttctggattg cggctctgcc caccacgaa caatccatgg 120
 ctccatcttc gactcggcgt gctgcgctcc tcctcaccac tgtgcttctg ctggcggcag 180
 acgggtccac ccccggcgcc acggctgctg gcatcttaca ggtgcgccgc aagttcaccg 240
 ccggtgtggg acgaggtgc 259

<210> 24898
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G4

<400> 24898

cccacgcgtc cgtgtttttc ttctcccgtc cgcagtccgc ttggcgtgcg cgacggctag 60
 ggcgaccgcc gccgccctac gccctacgtc cagctgccca tgtcttcttc gggccccttg 120
 ccggcgggaa ctcaccagac caggaatcgt gctggcaacc ggcgcaagtc tggagatagg 180

<223> unsure at all n locations
<223> Clone ID: LIB3066-002-Q1-K1-G7

<400> 24901

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tggtcaaggg cagcttcggg tacctcgacc cggagtactt ccggcggcag cagctcacgg 180
acaagtccga cgtgtactcc ttcggcgctg ttctcttcca ggtgctcctg gcgcggccag 240
ctctcgaccc ggcgctgcca cgggagcagg tcagcctcgc cgactacgcy ctcagctgcc 300
agcggaaacgg caccctgctg gacgtcctcg acccaacgat caaggaccag atcgcgccgg 360
agtgtttcaa gaaggtcgcy gacacggncg agaagtgcct cgccgagcag agca 414

<210> 24902
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G8

<400> 24902

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aaaaaataaa aaataaaaaa taataaaaaa taataaaaaa attataaaaa aaaaaaaaaa 120
aaaaaaaaac tggccacctt ttttaa 145

<210> 24903
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H1

<400> 24903

gaaagaacga gggacatctg gtgctggctg aagaaccatc gaccctgatg gtactccagg 60
cggcagtaaa agaccgaagg attcagctca tggtcaccaa gtttgtgagg gagttgagag 120
aggagcccgt cttgatgatt agggtgagct ggaacgtgtt cctcatctcg gtctcatctg 180
ccgctgtagg cctgcaccgt ttcttggtgt tcttcttgaa ggaggatggt gccaggttct 240

tggatgacaa ggtcaagaaa atgaagatth ggctgatgga gttctcgaag cggacggcta 300
atctggagat tcaaggaatt ctgtgaatgt ggtggcttht ggttgaagga tttaatatgt 360
gcttcgcact ctggththttg gagttactth ctgcacgag tg 402

<210> 24904
<211> 300
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H10

<400> 24904

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ttggaacgat acgtgtgagt tctctagtgt taththccagt ggcctaagct agcaacagtg 120
tatagttggg ttggcactgc aaactthctac cgttcgagtt gggatattaga gctagttatt 180
ggttcagtgt gaacttatat tathththctat cttgctgcag ttatgththgc tatgtgtacc 240
aaacatgtat tggaaththth gtaagctata atatggccag cacagcagta gcctcacatg 300

<210> 24905
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H11

<400> 24905

cgcggttcat gaccagaaaa ccggcgctcg cgatagtgtc aaagctggag cagatcgggg 60
agacagagcg cttcgtggtg aagaaacagg acgggctggt gaagctgcag gggccaagc 120
aaggaggaa ggggcagctc gcgatcgacg ccgagatctt cgaggtgaca ccggcctthc 180
acgtcgtcga ggtgaagaag tcggcaggcg acacgctgga gtatgagatg thctgcagca 240
agggcctaag accttcactc agcgacatct gctggagcag ccgatctgag gagaacatgg 300
ctccttcagt ggttcagcca tcacaattgg agccatctc ttagaccgtc tccgacagtt 360
tactcaccctc tcttagtcga ttgttattta agtgcagtct cttcggagat gcaattaca 419

<210> 24906
<211> 383
<212> DNA

<213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-H12

<400> 24906

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 cacggcgggc gcgctgtcgc gggccctggc ggcggcgcgc cctttcctgc gcggggagga 120
 ggcgaggtg gacccggcgc tgcctggcct cgccgacgtg ctgcgcggcg cgggcgccgg 180
 cgagtgtctg cacaagcacg gcacgttcct ggcgcacctg ctggacgtgc accggatcct 240
 ccgnctgtgg ggcgcgcccc acgccgtggc gcgctggcgc ctctaccact ccgcctactc 300
 caactcctac gtcaacctgg ccatcttcca gcctgacacc gggcgcgccc acgtcgctgc 360
 cgtggtcggc ggacccgcgg agc 383

<210> 24907
 <211> 287
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H2

<400> 24907

gcaaaacatg gctgtgaatg tgagaaccat gtggtcgtcg atgcgggcac aggttgcgat 60
 gggtgtggcg ttgggtgttct tggtagcgcg cgcattgtgc ggtcctccca aagtcccccc 120
 aggcaagaac atcacggcca cctatggcaa ggactggctg gacgctaaag cgacatggta 180
 tggcaagccg acaggtgccg gtcccgacga taacgggtggc ggctgcgggt acaaggacgt 240
 gaacaagccc cccttcaata gcatgggcgc atgcggcaac atcccca 287

<210> 24908
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-H3

<400> 24908

acgcgtaccg aacaagccgt gcacgcctcc cctacgtcac cccaccacat ccggccagcc 60
 gaacgagaat gtcgcgcgcc acagctgcgg tcctcttcta catcctcgcc gtcgctgacc 120

<210> 24911
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-H6

 <400> 24911

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 aatggaggct gagcaacaaa actcttaatt tgatgcggaa tgggaagatg cccacagtga 120
 ccatcgagca ggcacaaagg aactttatca aagcagtaaa atcaggtctg ctcaaaattc 180
 tttcaaaaat gggatatctca ctgctctcaa gctattgtgg agctcagatc tttgaaattt 240
 atggctcttg tcaagaagtt gttgatcttg ctttctgtgg aagtgtatcg aaaattggag 300
 gtctcacact tgatgagctg ggtagggaga cttatcatt ctgggtgaag gcgttctctg 360
 aagatactgc aaagaggcta gaaaactttg gatttatcca atccagacct ggaggtgaat 420
 accatgc 427

<210> 24912
 <211> 190
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-H7

 <400> 24912

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 gtcgcgcgcc acagctgcgg tcctctctta attcttggtc gtgcttgact taagcgcggc 120
 cgagcaacgg gcagagtaac cgaaggcagg cagtctgccc aaggcaccgg cgagtcaccg 180
 aaggcaggca 190

<210> 24913
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-H8

 <400> 24913

cccacgcgtc cgcttccact tgcacaccac gccccgacaa agcgagcgag agcagccacg 60
gcaaaaccct cgcgggcgtc tctctcgaga tcggcgggca gcagcgacgc gcgcgcacaa 120
cacagcaggt gaaggcaagt g 141

<210> 24914
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-H9
<400> 24914

gttggcaaga gaggagggcc ggcgtcggcg tgcctagctc gatcttgaac catagctagc 60
cagcatggcg cccagcagca gcatagcagt actgctgctc ctcgtcgtcg ccgtcgtcct 120
ctccaacgtc ccctcctcgg gcgccttggc ctctcgtcg tcgtctctgc tgcaccagtc 180
gtctccgtct gagagtgaga ctgagaccga cagtagcagc ggagaatctt cgtcgtcgtc 240
gtcgtcggag gaggaggagg ccggcgagaa ggagaaggag aaggagcagg agatggagaa 300
ggcggtcgcy gcggagaagg ctgcccagca ggagctgctc aagtacgcca aggagaaggg 360
catcgtgtca ccgaccaacg gcacggtgtg gtacaagggc atcgcccggg agttcgt 417

<210> 24915
<211> 395
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-G2
<400> 24915

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gtttccaaaa gatgtcgaag cttcgtcgca gtcgtcctg caagagaacg aagtgcattcc 120
actagctact taactacctg caagagaacg aaggcgaggg tgaggggtggc aaggggtgtca 180
aagagaagcg ggaggtagcg tggcgtcgcc atggaagcat cggaggcttg ggattaggtc 240
ggaactcagt agcgaagagg acccataaca ggtgtgtgag atataggaga atgtgattgt 300
gtttggcctt ttgttttgtg aaatttgtac gcgatgaagg caacatgaaa ctaaaattag 360
gggatgaatt ttgggagaga atacagacca catag 395

<210> 24916
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A1

 <400> 24916

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 ctcatcatgt tcttcacact acacctacta cctcttctgc atcttctctca tgactaacct 120
 cctttgccac atctactaca c 141

<210> 24917
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-A10

 <400> 24917

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 tgctttggct cttctgctcc acgccataag atatctagca attggtcact cgccttaatt 120
 agttcgcttt gcttttgagg ttgattcgac cattttgctg tagcgtgaat tgcattgcatt 180
 gacatgcaac gctccaatgg cctttggaat gtggaatttt tttccccatt ttctgtattt 240
 ttctataaaa aaatgaactg ggtcttaaaa aaaaaaaaaa aaggcggccc gtctaaaaga 300
 t 301

<210> 24918
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-H9

 <400> 24918

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 ctcgcatgac tgagcgtcgt cgccgtcgcc gtcggagcgt ggaggcggtt taccggtggc 180

ggcggcgggcg gcgggcgggcg cccggggcgtc ggggagttcg tgtgctgcgc ctggcttctg 240
ctctgcttct ggccgttcgt gagggggcctc gtcggcgggca ggggaagcta ctgcatcccc 300
tggagcgtca ggatcaaggc tgccctgctc gtggccggtc tcgtgcacct gtccacgcgc 360
aagtaacttg cccgacccag gcgtcgactt accactgcta ctagtgct 408

<210> 24919

<211> 469

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H8

<400> 24919

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ggcagctgaa cccgctgaac cccaagacgt accgcgtggc ggaggacgtg ctgcgcgacc 120
tggcggcctt gttcccgga cgtacctcc acgcgggcg cgacgaggtg aacacggcgt 180
gctgggagga cgaccccgctg gtgcggggct tcttggcgga cggcggctcc caccaccgcc 240
tgctggagct gttcgtgaac gcgacgcggc cgttcctagt ccacgagctg aaccgcacgt 300
cggtgtactg ggaggacgtc ctctggggc ccaaggtgtc ggtcgggcag acggtgctgc 360
cccacgacac caccgtgctg cagacgtgga acaacggcg cgagaacacc aagcgcacgt 420
tggcggccgg gtaccgtgcc atcgtgtcct tcgctccta ctactacct 469

<210> 24920

<211> 461

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G4

<400> 24920

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cagacacaca cacacacaca cacacgacgt cgtacgcggc agctagcaga gcacgcacga 120
tcgccgcagc gtacgtacta gcacagagga cgacgaccga cgccatggcg gacttcttcg 180
cgcgcggcgg cgcggcgggc gtggcgggcg tggatgatgt ggcggccgtg ctggcgggcgt 240
cgtggggccgg cgtggcccgc gcggacttcg cccaggaccg cgccatgtgc gcggaccggc 300

tgatggggct ggcgacgtgc ctgacgttcg tgcaggacaa ggcgacggcg cgcgcgccga 360
 cgcccactg ctgcacggtg ctgaagcatg tggaggccgc cagcaagctg tgcattgtgcg 420
 tgctgggtcaa ggaccgacgac gagccggcgc tgggggttcaa g 461

<210> 24921

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G5

<400> 24921

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 tgctggagac agtcttttggg gatcagaatg ttgcaaatag gtggaaggca cgggtgcgcgg 120
 aatattttcc gtactcgacg tactttgaag gcatcaagag cgctatttca acctatgcca 180
 ttgaccatag tctcgagagc ccaccagaaa atggaattgc ttcaaaccct catctgaaat 240
 caaaagatgg agaacaaggg agtttgaatg ggactctgca tattgtagat gatttgagca 300
 gcctaagcat tcggtaatgc acgaacaagt tgctgaatgg tcacaactgg aacacaacat 360
 tttagaactg gagccagtac ccaattaacc aaagcgtaca cgaacaagggt gaacatagtg 420
 ctctgggtgca agtagttgtc ggcacatcac atatgaagag tat 463

<210> 24922

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G6

<400> 24922

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 tgtgtcttgc atggtgagaa ggcaaagtca aaggacaacg atgcaaaagc gtccggggccc 120
 ggtgggtcct tcgacatcac caagttgggc gcatccggca atggcaagac ggatagcacg 180
 aaggctgtgc aggaggcatg ggcacagcgc tgcggcggtg ccgggaagca gacgacacct 240
 atccacaatg gcgacttact cgtcggacca ctcaatttca catgcccata caagggaac 300
 gtgaccatcc aggtgaatgg caatctgctt gcgactactg acctaagcta gtacaaggat 360

CGCGCGCCGA

catggttaatt ggatcgagat tctactcgtg gacaaccttg tcattaccgg caagggaag 420
c 421

<210> 24923
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G7

<400> 24923

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cggagctccc tgagcaggtc ctctgctgcg tcagggtgaa caagatcgat ttcactgacc 120
aagaagttcc aacaatagtc accgttgatg acacctgacg catttgatca aaatgggcat 180
cagacgtgcg agctattatt aactgctgca aggctagatc catgggattc agaggcgaca 240
caagaactga tgactccacg ccttggtttc tgcctaatat gttcgccgat ctgcctactt 300
ttaagcacgg gctttttctt gtcttccctg taactataat ataataatgt atattatata 360
caagacgata caaccctgcg ggtgttggtc atgttcctaa 400

<210> 24924
<211> 478
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G8

<400> 24924

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gaggaagtac ggcccggagg cgcacatctg gagcgtcggc gtcattgctt acatcttctt 120
cgccggcgtg cctaccttct gggcagagaa cgagaacggc atcttcaccg ccattcctgcg 180
agggcagctt gacctctaca gcgagccatg gccacacatc tcgccgggag ccaaggatct 240
cgtcaagaag atgctcaaca tcaaccccaa ggagcggctc acggcgttcc aggtcctcaa 300
tcacccatgg atcaaagaag acggagactc gcctgacacg ccccttgaca acgttggttct 360
cgacaggctc aagcagttca gggccatgaa ccagttcaag aaagcagcat tgaggatcat 420
agctgggtgc ctatccgaag aggagatcac agggctgaat gagatgttca agaacatt 478

<210> 24925
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-G9

 <400> 24925

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 gtttacacgg ggaagcggct gcacgcggcc ttgttcttcg tgatgggatt ctggctgctg 120
 gacttttcca acaacacggt gcagggcccc gcacgcgcgc tgatggcgga cctcgcaggc 180
 agccacgggc ccagcacggc gaacgccatc ttcgtgtcgt ggatggcgat cggaacatc 240
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 agggcatgct gcgaggcgtg cgccaacctc aaggccgcct tcctggtgtc ggtggtgttc 360
 ctgggcctgt ccacggtggt gaccatgac ttcgcccgcg aggtgccgct ggacccggc 419

<210> 24926
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-H1

 <400> 24926

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 ctgcgagaac ttagagttag tgctgaaggc agtgacctaa gacattttat acatggtgcc 120
 gatttttact gcattttttt ctacattctt tttttgtgat ttgattatct aaacatgtga 180
 attttcaggt cttcatattc ttctatctcc tagtttttta atattttttc ttgcttata 240
 attgactgat tataaatggt tttattctct tctttgatta tttcctaatt atattctctc 300
 gatctgttca acttttaaac tacgggcttt ttctttgtct tccctgtaac tataatataa 360
 taatgtatat tatatacaag acgattcaac ccttgcggtg ttggtcatgt tcct 414

<210> 24927
 <211> 319
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H10

<400> 24927

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gacttttgac tagtgcataa ggatgctcgt cgtgcccgat aggggcacaa taagaaagcg 120
tgaaaaaaaa cacaccact ccttgtgttt ctggttcgac aggcttgctg aaacattgaa 180
gaaccccagt gatcggtttg tagtctgtcg tcatcgttct gcccgatca agagccccgg 240
ttgctcatgg tggcggctgt cgtaatgtag cggttgttga cctatcttct catgaattga 300
aaggatcctg actatgtac 319

<210> 24928

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-H11

<400> 24928

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catcagcacc taaaaccatg gcctgcaacc tggctcagtg cgccaccgcc gccgcggcga 120
ccgtcgcgcc ccgcaccctt cgccctgctg cgtccgcgtc cgtctccttc tccgcgagga 180
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cgtcgcgggc ggtgttcgcc tgccggggccg cggcgtcggg gagcgcggcc gacctggcct 300
ncgggggcag gaggtcgtcc ggcgtgccgg tgttcgtcat gatgccgtg gacaccgtca 360
aagagtgcgg caccgcgtg caccggcgca aggcgggtgc 399

<210> 24929

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H12

<400> 24929

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ggtccacgag gagaaagtat gcgtgcagaa ggaggtgaag gaagacatta attaggtggt 120

ggtgattgta cctgtttttt tttttgcctt cttcttttggg gatttggtga tagaaacaag 180
 tgggtttttca agta 194

<210> 24930
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H2

<400> 24930

cggacgcgtg ggctgacgcg tgggcggacg cgtgggcgga cgcgtggggg cgggcgttac 60
 aagcaaatca agcgaacaga aggtgtctcg agcactgaca tagttgggag gatattgcta 120
 acattcaggc agaaagatgc tggcactgat ttaagtgttg tcattgctga gaagtctgga 180
 gagaaatcaa atgatgaagt gaaaagcttg gtctctcatt ttgttcatag ataagagatc 240
 tttgcaagat gatgttcttc attaatctca atgtgcgttt tacagcgttt ctatgtctta 300
 attacccatg gatcaaaaat actgagactc tcctgacact ccccttgaca acgttgttct 360
 cgacaggctc aagcagttta gggccatgaa ccagttcaag aaagcagcat tgatgatcat 420
 agctgggtg 429

<210> 24931
 <211> 429
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-H3

<400> 24931

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 tctgggaggt gaaacagagg cgcaccctta cgtctccttc accataaatt ttgtctgaga 180
 ccggcatgtt cctggccgctc tgcggcccag gcaacatttc gagcagaact gccataaatt 240
 ctttgttgat ttgtcggttc atgtgctcct gtaattcaca tcacagagag accagccgat 300
 caataatgta gtttctgagg acatgtttcc ctgcagtatt gcaccttggg agcgcatgtg 360

aaatggcctg gaacagttgt ctactggatt tgtntattta ttacaataa aagccatgtg 420
 aaaataagt 429

<210> 24932
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H4

<400> 24932

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 gccagctgcy gcgccacggc gctctgccac gtgctgggtg gctggggcgct ggtgtacaag 180
 gccggcatgg gcagcaaggg cgccgcgctc agcaacggcg tctcctacgc ctcaacctc 240
 gtggtactgg cgctgtacgt gaggctgtcg ggcgcggtga tggagacatg gaaaggcttc 300
 tcgcgggagg cgtttaagga cctgtggcga ttcgccgagc tcgcctggcc ggccgacatg 360
 atgatctgct tggagtgggtg gtcgtttg 388

<210> 24933
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-H5

<400> 24933

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 ggcgccctgg cctcctcgct gtcgtctctg ctgcaccagt cgtctccgct tgagagttag 180
 actgagaccg acagtagcag cggagaatct tcgtcgctcg cgtcgctcga ggaggaggaa 240
 ggccggcgag aaggagaagg agaaggagca ggagatggag aaggcggtcg cggcgagaa 300
 ggctgcccag caggagctgc tcaagtacgc caaggagaag ggcatcgtgt taccgaccaa 360
 cggcacgggg tggtagaagg gcatcgcccg ggagttcgtg gacgccaca acgagctccg 420
 cgcgcgctac ggcggtgc 438

<210> 24934
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-H6

 <400> 24934

 cggacgcgtg ggcggacgcg tgggcgacg cgtgggcgga cgcgtggggt cgggcgttac 60
 aagcaaatca agcgaacaga aggtgtctcg agcactgaca tagttgggag gatattgcta 120
 acattcaggc agaaagatgc tggcactgat ttaagtgttg tcattgctga gaagtctgga 180
 gagaaatcaa atgatgaagt gaaaagtcag ctatctcatt tccttccaac ttctcgccgg 240
 atcatgcagt tttcaaatgg gcaggctcct tcgccagggtg ctctgtgttg ctatgtagat 300
 ggcacatttg atcttttcca cgctggccat gttgagttcc tcaggagtgc cagacaactt 360
 ggtgactttc ttcttgctcg tatctatgac gacgagtcta tcacggatag aagaggctgt 420
 cggctctataa tgcattcttca tgagcgtact c 451

<210> 24935
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-G3

 <400> 24935

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 ccgttgatcc atgttgctaa taaccctgcg tgcccttcgt tctcgtctcg atcccgacga 120
 cgctcccttc ggctccggca aaccacatca agtcgcgatg gagatgaaga aggtcgcttg 180
 cgccgtcctc gccgccgcg cctccgccac cgtggtcctc gccgccgagg ccccggcgcc 240
 cgcgcccacc agcgcctcct cggtgctgtt cccggccgtc ggcgccgtgc tgagcgctc 300
 cgtgctctcc ttcttcgcct actacctgca gtaaaattaa aggaggatcg gagggagagg 360
 ctgctggctg ccattgcctg tattcgngtg gatcccgnta tatatatata tatatatnta 420
 agtactntaa tttgggtctg aacatgtcga ttgatccatt c 461

<210> 24936
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F10

 <400> 24936

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 gccgccgacg acaccggcgt gctgctggtc ctgtcggcgt tggcgaccct ggcgcggggcc 180
 gaggacccgt acctgttctt cgagtggaag gtgacgtacg ggaccaagtc cctgctgggc 240
 gtgccccaga aggtcatcct catcaacggc gagttccccg gcccaggat caactgctac 300
 tccaacaaca acatcgtggc caacgtcttc aaccagctcg accatccgct ccttttcacc 360
 tggaacggga tgcagcacag gaagaactcg tggatggacg ggatgccagg cacgc 415

<210> 24937
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F11

 <400> 24937

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 acaaatcatc agaccagatc tggcattctt ggccaatggg tttgtatggc actctcctat 120
 ctagcaagaa ggatgttcat atggtcgaga cagcatctat ataaaagggtg tggctggtgg 180
 aaaatggata attcaaagga aatggaagaa aactggctct agtttagaac cggtgtaaat 240
 gcaggaggaa gtctgactaa tactattatt ctgttcattg tacacatgta ccattgtacc 300
 gaacgcagag aaatgcagcg c 321

<210> 24938
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-F12

 <400> 24938

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 ttgcatcgat ctgcatgcat attataatTT atattatatt gatgccacgc cgcattgcagg 120
 tctttccaag gcgtacgtac tatatcaaT tattttaatt tccttacatg tatatgtatg 180
 tgctgctggt ggatacgtac gtatatatat atgttctagg gttttctcat ccagaaaagt 240
 tggataggaa agaaacagca cctcggaaga aacttgagac aaattgggtg caaagtgtta 300
 ctgggcagcc aagaactcaa gaaccaagct gtcgggtatc acttaacgag aaattttcta 360
 attgggattc tcctactttc cgttcaaaga gtactactgg actaactgat aaatcgagtt 420
 gcacatggt gcataaggat aaatctt 447

<210> 24939
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-F2
 <400> 24939

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 atttctcaga aatggcttca tacaacaggt gaaaaagttt atgcgtgttc taaacatcaa 120
 gtatccacct accaaatgaa tatttcatgg tccttggtca tctagcactt acgtggcacc 180
 agtagtatac agatgggtca tacttctgtc ctactggatg cacatggtgt tcctgatact 240
 caaggggtgc gtgacgcctt ggaacatcct catctacatc ttggagtacg attccctata 300
 cattactcat gtaccacgat cactaaactg gacatgaagt ctatggaaca cgatagctcg 360
 acacatggtg ctcggaattg ttatagaaac tgttc 395

<210> 24940
 <211> 276
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-056-Q1-K1-F3
 <400> 24940

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 agcgtccact tgggcaattg acccaccag cgaccgctgc tgcttcgttt ctagctcgag 120

agagtttaga gggctgcttg attccgaagc tccgagctcg agggattgaa ttgagccccc 180
ccaagatcag aatctggagc aacgggattt ggcttcccgc ttggtgcccc tgattggagt 240
acgcttcttt tagggcggat gagaagctgc tccgct 276

<210> 24941
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F4

<400> 24941

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tcacagctgc ggtgctcttc tacatcctcg ccgttgctgc cctcagcgcg gccgaggccc 120
cggcagagtc accgaaggaa ggcagtgtcg ccaaggcacc tgagtctgcc aagagaactg 180
ctgccccgcg tgaagcaccg gaagccgcat ccacccccgt cgccgccgct gccccatcgc 240
cgctcgtctag gaagtctggt ccagctaccg cgccagccac cgctctaca ccccttctt 300
ccacggacga ggagttgagc ccttccccgc cagcatccac cgccgcggcg tcccctgcgg 360
ctgatggacc ggctgctgat gactccgccg gtgctgctgc ccttgggaagt ggag 414

<210> 24942
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F5

<400> 24942

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tgcacgcgtc cgcccacgcg tccgcccacg cgtccgagca aacctgcagt catctcctcc 120
accaccacca ccaagctcaa caacagccag ctgcgaaaa taatgaagag ccgcagcatg 180
gcatcatcgg ccgcgctctt ggtgctagcc ctgcgctag tggcggccac cgccccacag 240
gtagcggagg caaagaagac gagagcggcg gagagcggcg aggcggcgga tgcgaagaag 300
atccaggacg acttctgctc gacgctgtgc gagggcaaga aggggacgga cctggctcgtg 360
tgcaaggagt cctgcgctct ttccagcagt ccaacctgtg ctgtacggag gatccatgca 420

agggcagtgc accgagcaga ag

442

<210> 24943

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F6

<400> 24943

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ggtagatacg tactcgggtg gagcagagca acgagagaca tggcgacgac gacgcgtggt 120
gccgccgccc ccaccggcgt gctgctggtc ctgtcggcgt tggcgaccct ggcgcggggc 180
gaggaccggt acctgttctt cgagtggaag gtgacgtacg ggaccaagtc cctgctgggc 240
gtgccccaga aggtcatcct catcaacggc gagttccccg gccccaggat caactgctcc 300
tccaacaaca acatcgctgt caacgtcttc aaccagctcg accatccgct ccttttcacc 360
tggaacggga tgcagcacag gaagaactcg tggatggacg ggatgccagg cacgcattgt 420
ccgatcctgc ctaacaccaa ctttacgtac aagtg 455

<210> 24944

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F8

<400> 24944

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acggaactga tcagcctcgg cctcaacttg gcgaccgaat aggacgcggt ggcctggggc 120
acaacgctca gactagttag aggcgatgag cgcgatgata cgtgcgtacg cggagctggc 180
gtacgctgta caactggact ggcgatccaa tcactacggc acgcacgctg gcatgctggc 240
agatgcaggg gagaagcgca ggcggacca acaggaggct gctgataagc ggaagggata 300
gtgcgtgatg cataaggaca cgaccgcgta cacaaccgta agtagtaggc gttgagcgaa 360
ctgaagtggg tggacgaacg agcacagatt gattatcgaa tttatgccgg tacgttagat 420
ctgctgcagt cgt 433

<210> 24945
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F9

<400> 24945

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 cccatccatc agcgtgccc tccgcattgc tcttgatacc atccagtaca tcgattctcc 120
 cccaagatc aaaggccgga gaaggaggaa gaaaggtag ggagtcggct atgggatgct 180
 tttcatgctg ctgtgtggca gatgacgaca acgttggcag gaggaagaag catgacgatc 240
 cctatgttcc tatccctgct catgtttata attttggacc tagccggttc ccagcccca 300
 cccctgtcat ctccactggc agagctcagc caattgcagt accggccatt catctggaag 360
 agctgaagga aattacaaaa aacttcagca gtgatgccct cattggcgag ggctcgtatg 420
 ccagagtcta ttttgggtgtg ctg 443

<210> 24946
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G1

<400> 24946

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 gacggccacg atccctcgaa ggcggacaag ggattccacg gaggagggtta cccggccgcc 120
 gccggtggat actacggcgg ccagtacccc ggcggcggct accctgctcc accgggcggc 180
 ggtgcgtacc ctcccggccc tgggtacccg gtaccacctg gtgggtaccc gcctccgggt 240
 ggctaccctc agcctggcgg ataccgcgg tcgcacgggg cgtaccggc gccgggtgca 300
 ggcgcgtatc ctcccagcgg gtaccccat caaccgtct acccacagcc tggctatcca 360
 tcgatgcccg gtcattgtgg catgtacgga agaggccacg gtgcatgggg ctctgcaagc 420
 cacggtgcga tgc 433

<210> 24947
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G10

<400> 24947

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aagtccactg gaccgattgg tgtacctcgg caccagctgg ctccgagaca tgaggagagc  120
agcagcggca gtaatgaccc cattggagac ctagaagccc aggtggagca acttcgaatg  180
gagctacgtc atagaaacta ggtgtgggta gaagatggtc agcgtataaa tgagttaaga  240
gctgacatct gccatttgca agacgagctt gttgaacggg atttggcaat cgattcggct  300
atcaactcat gttccattgc ttgggatcga gaagccaaag ctcgagcccc tgtggaggag  360
cttagcacgg tcgtcgacaa cttgcagggt tactgcaata cattacatga agaagttcat  420
g                                                                 421
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<210> 24948
 <211> 411
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G11

<400> 24948

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gctatcaaag aagaacatgt ccagttgaa tgagtatgcc atcggcgtgc tggaatcctc  180
atccaattat ctcatgccat cattctattg ctacccccta gatatggaca tcaacctgtg  240
tactcgtat agcacggatg ggcctcacta gacactactt tcgacaggag ctaatcctat  300
aaattcgaaa gtgctgaatc tcatgtaatg atcaagctgt cgaatgtgaa ctacatgctg  360
cctgctactc aaaagatgtc ctgcataacc acatgttctg ctacctgcaa c          411
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<210> 24949
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-056-Q1-K1-G12

<400> 24949

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gcaccggagt cggccgcgc ccccgcccc gccggcgttc cggccgttcc ggcggtgggt 180
cccgttcctt gtgccgctat tcacgtcgc caacatcgtc ctcttcgtgc tcaccatgta 240
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cgagagcgcc accgcgcagg gctgctggct cgcgcccag ctcgggaggt tcgcgttcca 360
gtcgttcaag gagaaccgc tcacggccc ttcctccgc acgcttggtg gaaatg 416

<210> 24950
<211> 465
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-G2

<400> 24950

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cggagaagct gaagggaatg ctgccggcat tcttagcatg ttgcaacgaa ctgggtgaca 180
gatgggagaa acagatctct gcttccgctg aaccaactga gctggatgtc tggccagagt 240
tccaaaactt atcgggagat gtgatttcaa gagctgcatt cggtgtttagc tatgaagaag 300
gcagaagaat tttcctactt caggcgagc aagctgaacg ccttgttcaa tctttcaaga 360
caaattacat ccctggcttc tctctcctgc caacagaaaa caacagaagg atgaatgaaa 420
tcgacaggga ggtgaagacg gtcctgaggg gcataataga gaaga 465

<210> 24951
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-F1

<400> 24951

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agagttagt ggggttgcttg attccgaagc tccgagctcg tgggattgaa ttgagcccc 180

ccaagatcag aattggagca gcggtttttg gtttctgct tggcgccgct gattggagta 240

cgcttctttt gtgggtggttg agaggctgct cggcttccgc cgaccatgtc cgtgccggcg 300

atagccgtgt acaccagccc gcccggcgcc gtctacgcgc cgccggagct cgagtccagc 360

tcgcgcggct cggcgccgtg c 381

<210> 24952

<211> 92

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D7

<400> 24952

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cgggatgatt tcttggtcgc atgacctatt tg 92

<210> 24953

<211> 475

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D8

<400> 24953

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acttccgagc actttgcaca ggggagaaaag gaattgccaa gtccggcaag cctctgtggt 180

acaaggggtc gacgttccac aggatcatcc cggggttcat gatccaggga ggcgacttca 240

ccaacggcaa cggcacgggg ggcgagtcca tctacggcag caccatcttc tccgacgaga 300

acttcaagca caccacgct aaagccggta cgctgtccat ggctaactac gggccccgact 360

ccaatggctc ccagttcttc atcaccaccg tagacgaaaa ccggttgccc aagaagctgg 420

acgggcgcca cgtggtgttc ggcaaggtgg tgaaagggat ggacgtcgtg cgcaa 475

<210> 24954
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D9

<400> 24954

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atggttaaca gcaacgcgcc ctttgcaagg aagttcggga gagaagacc cgtgctggac 180
aagatcgacc aggagctact gggccgccgg cctgatgggt ttgtgcccgg cggatggacg 240
tacctactga atgcgacgac tgaggaaggg agacccttcg ccgttgagcg cgtgcaggat 300
ctccgcccag ggcctggtgt ggacagattg aagaaactcg tcacgggctt gtcacacaa 360
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ggggcggtag attacacggt cagatctt 448

<210> 24955
<211> 482
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E1

<400> 24955

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gtgcctcaac caggactcgt ccacagcat cgtcaacgcg ctcaagcaga gtttgagaga 180
cgacgagggg ctgtacctcg ccagcgattc ggacgagcag ctgctgatct acatcccctt 240
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aacagtaaaa ctcttctcca acaaagagca tatgggtttc agcaatgtca atgactatcc 360
accaagtgac accctcgagc tatcatccga tcatttgata gagaataaac ttttgccact 420
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<210> 24956
 <211> 420
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E10

 <400> 24956

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 ccccttcacc gttggttgcc tcgtgccgtg gcctgggaag tcgatgactg ctcatcatgg 180
 taggaggccc cgaccgaccg tgcaaccgtg tgccgacgct gtggctgtgc gccaatgaaa 240
 tcacgagcga ggtcacgagt catctgaaga gcaagttggt acctggaatc tcaagtgccca 300
 ggtcaagaac aggtaccaca ggatgaggcg cttggaggat gctgtgatga gttcgtgagt 360
 ggtctangcc ggcgtcttcc atcaactttg ggttgctgga ccattgtctt cttataatgt 420

<210> 24957
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-E12

 <400> 24957

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 cccacgcgtc cgccccacgcg tccgctaaaa agaaggttag attagggagc ccagcggctc 120
 aatggatttc agtttataat gctagggcgc ccatgaagca gaggtaccat tacaatgtgg 180
 ctgactcaag gctaagtcaa catatagaaa agggtaatga tgacgggctt tacgttagtt 240
 gtgtggcttc ctcggaacac ctttgggcac tcatcatgga cgctggaact ggtttctgtt 300
 ctcaagttta cgagctctca ccagtttttc tccacaagga ctggataatg gagcagtggy 360
 agaaaagtta ctacataaca gcaattgctg gatcaaccaa tgggagttca ttggttggtca 420
 tgttcaaagg aac 433

<210> 24958
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E2

<400> 24958

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 gaggcaggat gtcttcggta tacgtgcttg agccccgac gaaggggaag gtggtggtgc 120
 agacgacggc cggcccgcctc gatatcgagc tgtggcccaa ggaggccccc aaggcggcgc 180
 gcaacttcgt gcagctctgc ctcgagggt actacgacgg caccctcttc caccgcgtca 240
 tcaagaattt cctcgttcag ggtggcgacc ccactggctc cggcactggg ggtgagagca 300
 tctatggggc tccatttgcg gatgagttcc actcgcggt gaggtttaac cacaggggtt 360
 tagtggcttg tgccaatgct ggtacatctc attctaattg gagccaattc tttatcacc 420
 ttgaccgttg tgattggctt gattagaaga cacca 455

<210> 24959
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-056-Q1-K1-E3

<400> 24959

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 caaaagctgt ttgtgaggaa agcgacaagc tgatgataga gtttttgagc tcagggtggcg 180
 tacaattgac gcacaggggtt tttcttctat agacaaaagg ggagaaatga cacctcccc 240
 ctcgagaatt ggggaacaag gacagatctg acacctcaat tgcgagaaat aaaaataaca 300
 gccgacagtt gcatgatccc tgaacgaata aattcagaac tagaaaacag atgtcagtaa 360
 acaacatgtg gtgaatgttg gaacttgaac tgctctagtt cagtgggcat ctgttgatgc 420
 atgcttggga tggatntaat gtttcgtant ttttcttct tgtactgaaa tgctc 475

<210> 24960

<211> 462
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E4

 <400> 24960

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 ggaggccgcc atcaccgcgt ccgattccat catcacgcc taccgcgacc actgtaccta 180
 cctcgcccg cggaggggacc tgcgtctccgc cttctccgag ctgatgggcc gcgaggctgg 240
 gtgctcccg cgggaagggcg gatccatgca tttctacaag aaggacgcca atttctacgg 300
 tgggcacggc atcgtaggcg ctacaggtgcc cctcggatgc ggcctggcct tcgctcaaaa 360
 gtacaagaag gaggacacgg ncacgttcgc gctctatggt gacggtgcgg ctaaccaggg 420
 acagctcttt gaggctctca acatttcggc cctctggaag ct 462

<210> 24961
 <211> 474
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-E5

 <400> 24961

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 ccagcctctt gatcacttga tcctcctgca caccagagta ccagacacca ctgcgcatca 120
 gtgcaaagag gtagctaccc tatctgccat ggctcaagag ctccacgaaa cgtcctcttg 180
 ctctgccacc accacctcgt cgtgcaccac atcctgctgc tcgtccactg tcacagactc 240
 gtcctcttcg cccccgtcac cggcggcgcc caatgcccg cccgcgacac ggaagcggca 300
 ggcgttgag gccgaggccg aggccgaggc gggcgggtgag gaagaggagg aggaggagga 360
 aggctgtgct ggtaataagg cggcgccggc caagaagcga ccgcggtgca gcgaggggaa 420
 gcacccgacg ttccgcggcg tgcggatgcc ggcgttgngc aaagtgggtg cgga 474

<210> 24962

<223> Clone ID: LIB3066-056-Q1-K1-E8

<400> 24964

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gaagaaagca cagaaagcga acaacatctg gtggaggctg agcggactgc tgggtgaccg 120
gaaccggcag gtcattgtaca tactgctcca ggcgctgttc acagtggcaa caatggcact 180
gaccgtacct atattcctgt cctaccgat gcacgtgggtg ttcttgatac tcaaggtgtg 240
cgcgctgaca tggaacgggtg gcagcttcat cttggagggtg atgcctcggc aagtagtgca 300
gaagcagctg aagaaactgg acatgaagcc tatggaacag gggagctcga cacatgggtgc 360
gccaggtggg gatgggtggca cattgtgtaa ccaccaccag cacacatccg aggagcatat 420
ccaggagtga ggaaattgaa gctggatgta agattagatt ttgatgatca ctgac 475

<210> 24965

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E9

<400> 24965

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aagggggaca tgaatgctag cttctggagc caaaagtcaa ggcaataatc agaaagattg 120
tacatcctat actgaaacac taaagggtg cccattttac ataccaaga tgaccctccc 180
ctgacgtgaa agatgcattt ctgtcttttag tggccctaaa attaaattag ctggcctaga 240
ttttaacagt attattccgg gaaaaccca gggtttacta agctaattggc ctttatagaa 300
aatcccttt 309

<210> 24966

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D6

<400> 24966

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ccttcttcgt cccacgctcc gtctttatct gtaatctgaa gcttacagga acatttgagt 120
 ggatcatgga cggattggta ggcctcttga aagtccgggt ggtgaggggc atcaaccttg 180
 cctaccgcga cgcaagaggc agcgatccgt atgtcgtcct acgacttggc aagaagaaac 240
 ttaagacgag cgtgaagaag agatctgtga accccatctg gcacgaggag ctaactctga 300
 tcgtcacaga tcccagccta gctctgaagc tggaggtgtt cgacaaggac acgttcagca 360
 gggacgaccc gatgggggac gcgagatcg acgtggcgcc gctggtggag gcggcgaacg 420
 cgagcccgga 430

<210> 24967
 <211> 450
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-C3

<400> 24967

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 gggatgggga gggacgagag gttcccagtg tgggaggccg cgctcggcgc tggggtcgcc 120
 gccgccttcg ccgctggggt cgctcggggtt tacctttcca tgccggactc cgactacagc 180
 ttcctcaagc tgccacgtaa tctccaggaa ctccaaatcc tcaactggcca tcttgagaac 240
 tatactagcg actacaccct acaggtgttg gtaggctact gcgccgtgta catcttcagt 300
 cagaccttca tgatcccagg gacaatatc atgtcactgc ttgctggtgc tctgtttggg 360
 cagctccggn gcgttgccct ggtagtcttc gccgccactg ctggcgcttc ttcgtgctat 420
 ntcctgtcga agatgattgg gaagccactg 450

<210> 24968
 <211> 452
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-C4

<400> 24968

ggcaactccc cggcctccgt catcgtgctc gccgacaaca gcttcggcgg atgcctcccg 60

ctttctccat tcccagatcg aagggtccata aaaaaccatc cttttgcatc tgattgagca 180
ctgtctttgt gcaagagAAC aatttagttg tacatacaaa caaaaagaag tgggagtatt 240
tttcagagtt tattagaaga gactgtttcg aggaccagg tcagagaaag gcgagaagct 300
ttagcagcgg caatgggtctg gtcaatggac ccgcaggtga ccgtccacgg cgactgggtg 360
tcagccgtgg tgccgctgat gaagctgctg tgcctggcgg tgatcggcct gtcctcgcgc 420
aaccggcggg tccaggtcgt gccaggggcc accttcaagc t 461

<210> 24971

<211> 474

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C7

<400> 24971

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tgcgtacacc actgtgtatg tcctgtttg gttgttcgct accctgatga tgctgcagat 120
gccggtggag atgcatcagg ggtgacagat gagttgcaca ctgtaccaga ggacgaacct 180
gtttatcacg atgcacctga ggtgcagaaa gaaaactgag gcaacggcca catgcggctg 240
aagaacgaag gaaaacatga ggcttgtagt gaggcaatcc tgtgtatctg gaagatggga 300
ccggctgttt atctttgctt ctatatatca actgcgtatc atgatcagct gtctgcttcc 360
cgttgagttt catatcagag tcgtagatca tctgagtttt ttggtggttt gcttgtgaga 420
tgtagagtac tcttcccggt ggtcgaaggt gtcttgcaaa tgcttgaact ttat 474

<210> 24972

<211> 478

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C8

<400> 24972

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cagggagttg catgacataa aaccattata caaatatctg catgcaacc accatattta 120
caacaaggag aataccttgt ctccatttgc tggacttgca tttcatccac tggatgggat 180

tctgcaagca ataccacatg tgttcgcgct cttcctcttt ccaacgcact tcaggacaca 240
tattgcactc ttgttcctag aggctgtgtg gacaacaaac atccacgact gcattcatgg 300
caagatatgg ccagtcattg gtgctggata tcacaccatt caccatacga cttaccgtca 360
caactatggc cactacacca tctggatgga ctggatgttt ggtacgctca atgagccaga 420
agatatcctc aagaaggctt gagtttctcg gagctgtggt attcctatgg tgctgctg 478

<210> 24973

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D1

<400> 24973

catcgggtcaa agacaaaaga tgattgctgt gagcatcatg tggtcattag tgcagggtgca 60
ggtgctggcg gcgatggcac tagcatttct ggtaggcggt gcctgggtgtg gtcctcccaa 120
ggttcccccg ggtaagaaca tcacagccaa ctatggtagt gattggctag atgccaaggc 180
aacatgggtat ggcaagccaa cagggtgccg cccggacgac aatgggtggcg gatgtgggta 240
caaggacgtg aacaaggccc ctttcaacag catgggcgca tgtggcaacg tccccatctt 300
caaggatggt ctaggttgtg gatcctgctt cgagatcaag tgcgacaagc cagcggagtg 360
ctctggcaag cccgtgggtg tgtacattac agacatgaac tacgagccca ttgcggcgta 420
ccacttcgac ctagcatgca cggcggttcg tgccat 456

<210> 24974

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D10

<400> 24974

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catggttggg tgaatggggg tgtcgggcta tgcgcggttg acgtcctcat cggagcaaac 120
cccttcaccg ttggttgctt cgtgccgtgg cctgggaagt cgatgactgc tcatcatggt 180
aggaggcccc gaccgaccgt gcaaccgtgt gccgacgctg tggctgtgcg ccaatgaaat 240

cacgagcgag gtcacgagtc atctgaagag caagttggta cctggaatct caagtgccat 300
 gtcaagaaca ggtaccacat gatgaggcgc ttggaggatg ctgtgatgag ttcgtgagtg 360
 gtctatgccg tcgtctgccca ctcaactttg ggttgctgga ccgttgacta cttataatgt 420
 aatcaattat tta 433

<210> 24975

<211> 267

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D12

<400> 24975

cagaataaaa aaaaaaaaaa aaaaaaaaaa attaaagaaa aaaaataaaa aaaaaaaaaa 60
 aaagaaataa gaaaaaataa aaaaataaaa aaacgtacat acaaacaaaa agaaaaaaaa 120
 ataatggaac aaaaatataa ataacaaagg gtcgtgtaaa caataggtta accaaactta 180
 ataggctatc atcacacaac acttttgttg ataaaactcc ctatattaca ggcctttgccc 240
 gattacgtat cggccccggtt tttgaaa 267

<210> 24976

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D2

<400> 24976

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 taagccaagc atgagctgat gcttgacaac aggcatggcg cacggtcagtg atctatttct 120
 gtacgaatgg aagacgcata ctgattagtt ccttcaggat cctattcggg gcatcagaga 180
 taaaatgctg gtagagatcg caacatgtga tacacagtga ggattcagac gctgatgccc 240
 attaactaga catagtgcct gctgcaaggc gccttgtagc cgaattcatg atgtaccctg 300
 ctggaatagt gagccctttt tgaaagtgct tttaagtatg aatgccacca cgactgacta 360
 gtattttgtga atgatctttg tgtatctcac gacatacatg gactttcatg ttcttgcgat 420
 ctaagaaagt actcataatt ttctagaaga tt 452

<210> 24977
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-D3

 <400> 24977

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 caactctgag gctaccatca tcacctacaa cggatgatgt gacggcgaca ccgacagcct 180
 aaacgtcaag gactacacgt actgagctgc tcctctctgc atgcccgtct tggaactcct 240
 gactaccagc tacgttgccg actgtgggtt gctcgtcaga tcttatattc tgacattcaa 300
 aaaacatgct tcctatttgg gatgatgggt atatatatat tgcgactgta attatt 356

<210> 24978
 <211> 468
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-D4

 <400> 24978

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 caagagcaag agctccagcg cgagttgccg cagcgtgttg attcccgttc caggcagcag 180
 tagttagct aatcctggcg gagaggcttc cctgtttccg ttgtccgtaa aagcaaacca 240
 agcagcagtt agcttcgggc ctgattcccc cctctgcacc tccatggcct ccgtgctgaa 300
 gatcggagga agaggagagc aggttaagag ctgcagccct gcctcagcag cagcacagcc 360
 caggaacgga gaaacccaga ccagacgtg cgcaccttct tctgctgcta caacaccatc 420
 agatggtcca gggaatggat tgcagaaagg agcagagagc gcacacca 468

<210> 24979
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D5

<400> 24979

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tgcacccctt cattcgatgg ttgacctct atgggtccac ctaatgacct ttcagcaaac 120
cgagggttcag gccaggattt agcagaagct agcaagttct ctcagggaag aagagcgggt 180
tatattccac ctagtggttt tctgatgtcc ttgttagctg ataggacca taatccacct 240
tctttccaga actcatctaa ccatccagga ggtggttcag cgcatactcg gccatccagg 300
gctcctgttg gtaggtttga tcgatctcgg cgacctttcc gcaattctgg acctgggagt 360
tcagcaccac gttctttcaa aaggcagcgc gacgctccac ggtgagcaag gcat 414

<210> 24980

<211> 480

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C2

<400> 24980

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agcttgctcg ccgcgcccgt ccttcttct cgcctccgtt ccgttccgtt ccgtcccgc 120
cgccgtcgcc gccgcattca gggatggaga tgaagaagat cgcctgcgcc gtcctcgtcg 180
ccgcctcggc ggccaccgtg gcgctcgccg cggaggctcc ggctccgggc cccaccagcg 240
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tcgcctacta cattcagtga gccggccgcg gccggtcgcc cggaggccga ggaagagacg 360
aagcgggaga gagagtgaca tggtcgcgcg cattccgatg cgtgggcatg tttctgattc 420
gacacacctt ttgttctctt tttctttgtt ccctctttct gcttaattta acgaattgat 480

<210> 24981

<211> 208

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B1

<400> 24981

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cccgtttttt ttttgtccat gtactgcagt gcagcggact gagccgctgg cacagcatgc 120
ggtaataatc ttgtcacaat gacagtgcgtg taatcgggag cgtgtttctt gtaatcttgt 180
taggaagtgt ttctgggtttt gtttgagc 208

<210> 24982
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-B10
<400> 24982

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ggcgtgcggg cgcaagcacg ggctgcgggt ccgctgcggg agcggcgggc acgactacta 120
gggcctgtcg taccgggtccg tcaagccgga gacgttcgcc gtgggtggacc tgtccatgat 180
gcggcatgtg cgcacgcgacg gctaggccgc cacggcttaa gtggacttca tggcgcagct 240
cgcccagctc tactactctc tggcgaagat gacccccagt ctcaggtttc ctgaggctcg 300
gtgcgccacg atcggcgtct gaggccactt tagcgggcgc gtgtttcagc attgctgctg 360
cgcaagt 367

<210> 24983
<211> 445
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-056-Q1-K1-B11
<400> 24983

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cagcgaagta aacatgtctg accgggcaaa gatgtcgtgg caggcgtacg tggacgagca 120
cctgatgtgc gagatcgagg gccaccacct cgcggcggcg gccatcgtcg gccacgacgg 180
tgccgcctgg gcgcagagca cggcggtccc cgagttcaag accgaggaca tggccaacat 240
catgaaggac ttcgacgagc cagggcacct cgcgccgaca ggctgttcc tcggacctac 300
caagtacatg gtcatccaag gcgagcctgg tgccgtcatc cgtggcaaga agggatcagg 360

aggcatcacc gtgaagaaga cagggcaggc actcgtcggtt ggcatctacg acgagccgat 420
gacgcctggg cagtgcaca tggtg 445

<210> 24984
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B12

<400> 24984

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ctgctagact agatcgctg tctatatata gatatagata caatctgctt gaacgatcgc 120
cctcaaaact ggatcaacaa acttaaaata caaacaataa taatagggag gaagatcctc 180
tccgtctgcg tacacagcac ggccatcacc tagtactaca acgacgacat ccacaacatc 240
atgaaggact atccccagcc agatcacatc gtgcatacag gcctgtttgt aggacttacc 300
aagtaccatc gtcaccca 318

<210> 24985
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B2

<400> 24985

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aaaacacact gaaccaata atccgatccc acagaaactt ttctctcggg ccgttcgatc 180
gatcgctgcc gtgtcgtttg ccagacacca tcagcaccca aaaccatggc ctgcaacctg 240
gctcagtgcg ccaccgccgt cgcgagacc gtcgtgcccc gcacccatcg tcctgctgca 300
gtccgcgttc gtattcttct acgctaggaa gcctgcgggc ggtagtctgc ggctgcagct 360
gcaagcatgc tgcgagcc 378

<210> 24986
<211> 448
<212> DNA

<213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-B3

<400> 24986

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ccgtcggcct cctctgccgc ggccacgggt ctactccggt cggcgctgac ccgcccgatc 180

tccaccggct tccgcgagga ggcgcacacc ttcgggtccca tccaagtccc caacgacaag 240

ctgtggggcg cgcagacgca gagatcgctg cagaactttg acattggcgg ggagcgtgag 300

aggatgcccg ttcccatcat ccgtgccttt ggctgtctaa aaaagtgcgc cgctaagggtg 360

aatatggact atggccttga tccaacaata gggaaggcca taatacaggc agctgangag 420

gtcgcagagg gaaagttgga tgatcact 448

<210> 24987

<211> 485

<212> DNA

<213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-B4

<400> 24987

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cggcatgggg cccggcaaata ggacggcagc gtcgcggagt acgtacaacc tcctggacac 120

ggtgagccgg cacacgatcc aggtgtaccc aaggctcgtg acggcgggtga tgatgacgtt 180

cgacaacgcg ggcatgtgga gcgtccgctc caacatctgg gagaggcagt acctcggcga 240

gcagctgtac gtgagcgtca tctcgccgga gcggtcgctc agggacgagt acaacatgcc 300

ggagaccagc ctccgctgcg gcaaggctcg cggcctgccg atgccaccgt cctaccgcgc 360

cgtctagagc gtcgaccgat cgcgcacggg gctgtacaca actaaaggag agcgagaggg 420

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ctctc 485

<210> 24988

<211> 474
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-B5

 <400> 24988

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 aatgataaat tcttggttgt atcattcaca agtaaagca tctcctcctc aagatatgcc 180
 gatcgtcttc cctagcagcc acattaccag cgagaactcg atcataaaca gcgcgtgtag 240
 ccatgtccgg tcgacgacga aaccgaacac cgtgatcccc gcccggttgt tctccaagta 300
 cgtcactagc gcctgcctct tctggaagga gacgttggtg gcgtggaaag gcgtgaacct 360
 tgaggtgtcc acgcgcctct cgctccgcca ctcgctcgctg tcggactctt cgccggacga 420
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<210> 24989
 <211> 481
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-B6

 <400> 24989

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 aactcctcag cagcagcatc agcagcgatg ttgatagtgg tgaggcggca gcaatctaca 360
 cagcgcagtg ctcccactca ttccacttcc tatgcatcgc ctccaacatc cggcatggca 420
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 c 481

<210> 24990

<211> 475
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-B7

<400> 24990

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tggtcgctcg ccggtggaccc gacacggagc tcctcgctgc caaccgggtc gaggcctccg 180
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ggttcctcct ggatgacagc aaggagttcc ccttggcaag cagcctcgct aacaggaact 360
gtgtcgctga tagggcgagg aagacgctga tgggatgcta caactgagac ttgggtgggt 420
gtcgatctgt atctgtctgc aagaatccaa cgaagcaatg caagtgcaat gcaag 475

<210> 24991
<211> 452
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-056-Q1-K1-B8

<400> 24991

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gcgatggcca gatcacgaag aaagagctag gggagtcgct caagaacctg ggcatccaca 180
tctctgatga cgagctcgat gccacgatgg acaagatcga tgccaatggt gacgggtgcy 240
tagacgtcga ggagttcgga aagctctacc gctccatcgt cggcgagggc caagtggaca 300
agcacgacga ggaagaggac atgcgggagg cattcaacgt cttcgaccag aacggtgacg 360
gcttcatcac cgtggaggag ctgcggtctg tgctgtccag cctcggcctc aagcaagggc 420
gcacggccga ngattgccgt aagatgatca gc 452

<210> 24992
<211> 441

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-056-Q1-K1-B9

 <400> 24992

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 tgtcctattg acatgggtcca acaaaatact gggacctgct atggtggcac tttatagccc 180
 tcttcagcca gtgggtctctg ctctattgtc tatgattttt ctgggaagcc caatttacct 240
 tggaagtatt tttggaggac ttctaatacat ctccggttta taccttgtga cctgngcacg 300
 ccacagagaa aaactgacaa gtattggagt accttatgta acatgtgtat cggagtcact 360
 cgatgggtcct tctcatgttg caaagactgt gcccttcata tctctttcaa ggctgtggga 420
 tgtgccacat gagtcttgag a 441

<210> 24993
 <211> 494
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-C1

 <400> 24993

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 ggtagtagata gatggagatg cagagagaca accattgggtg tttatcaaga tgaagctagc 180
 aaatgccagg aaggagcttg aggacatgag agcagacatt aaaaaattca aggatgatgt 240
 taggaaactt tggaatgtcg cagctacatt tcgggctgat atagataggg aggaggcagg 300
 tctactagca ttagagcaca aagagcacct tgcttcgatt tctgtatcat ctcaccagga 360
 agagctaagc aacattacat atgagctcaa catcatccat gaaagaacaa aagcaactaa 420
 gatgcctata gagctacaac aagcaactga aagtgtggaa caagcaaaag ctaaggcttt 480
 gatggcccat tata 494

<210> 24994

<211> 282
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-C10

 <400> 24994

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 caggccaaca cgtatacaag tagatcataa gctacgactg gatcatataa cttgaagatt 180
 tgaactacct agtctctagg acatacgatg aaactagagc gctggtagag gcaaacaat 240
 gggacgtgtc agtgcacaaa gactatctag ctatggagag ac 282

<210> 24995
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-056-Q1-K1-A9

 <400> 24995

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 gaattggctc acggcgctaa cgcggggctg gacatcgcgg tgcggctgct cgagcccatc 180
 aaggaggagt tcccaatcct ctcttacgcc gatttctacc agctcgcggg agttgtggcc 240
 gtggagggtca ccggtggggc tgagattccc ttccaccggt gtagggagga caagcctcaa 300
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 tttggcaagc agatgggctt gagcgatcat gacattgttg c 401

<210> 24996
 <211> 346
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E8

 <400> 24996

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 cgggggggacg ccggtgtatt gctcggtcct cctccctggg tgcccaggagc agccgtgacg 180
 gaggcggagg tggcgggtggg ggaccatgta cagatcggcg ggggtcgcga tggcgtggaa 240
 cgtgttccgc gtctgcacgg ctctacgagg gctgggttcc atcatgagcc tactcgacct 300
 ggccatcgac ggcgtcacct actacgctgt caccatgtgc atctac 346

<210> 24997
 <211> 360
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E9

<400> 24997

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 ttctatattt tctaattggc ttatagctca gcaaaagaat actacagaca gtggagttaa 180
 tttgtatcca gatatacaat gtggagaaat tgttcatcta ttctctctgg ttttgtcagg 240
 aaaccttttc atttcacctt tcttgccctag tgaaggagtt ggtgaggctg atgagcctaa 300
 cagctctggt cctttgggtc tagataccag cggtttggct gacaacagtc ataagcgcaa 360

<210> 24998
 <211> 425
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F1

<400> 24998

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 caggaggagg ttgcgagaat gtcacagctt ttttcttcat gtttatcact atcatgtcca 180
 tcatcggcgt ggttttgtct ttcgtcaagc acacctgtga attaaacagc aaaagaggta 240
 agaggaaaag agcatagctt aataggtatc aacacagttc agtgacgttt gtattctgag 300
 atgtttctca tctattaaag ccttagttct ttgttacctt tttcacaact ctgtactggt 360

gcctcatatt ctgattgcgt tttcaaaatg tgatgttggt gaaacaaaac gtattgatgg 420
 tttgt 425

<210> 24999
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-F10
 <400> 24999

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 tgggcaagtg gatccggggc acggggcagg ccatggaccg cctcggatcc accatccagg 180
 gcggcctccg cgtcgaggaa caggtttcaa ggcacgtac aatcatgaat atttttgaga 240
 aagagccaag gatccataga gatgtgtttg ttgctcccag tgcagcagtc attggggatg 300
 ttgagattgg tcatggatcg tcaatctggt acggatccat attgagaggt gatgtcaaca 360
 gcattcatat tggatctggt actaatatac aagacaattc ccttgtagat 410

<210> 25000
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-002-Q1-K1-F11
 <400> 25000

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 gccaatcaac tctccaccca caccggtcaa atcctcacca ccactgctc ctgtgagctc 240
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 ggcacctgag gagttcatct tgccaccaat catgggtcaa cattatgctg cgacaccgtc 360
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<210> 25001

<211> 396
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-F2

 <400> 25001

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 cttctgtgtc gtgcatggtg agaaggcaaa gtcaaaggac aacgatgcaa aagcgccgg 120
 gcccggtggg tccttcgaca tcaccaagtt gggcgctcc ggcaatggca agacggatag 180
 cacgaaggct gtgcaggagg cgtgggcac agcgtgcggc ggaccggga agcagacgat 240
 cctcatcccc aagggcgact tcctcgtcgg accactcaac ttcacaggcc catgcaaggg 300
 cgacgtgacc atccagggtga atggcaatct gctggcgacc acggacctaa gccagtacaa 360
 ggatcatggt aattggatcg agattctacg cgtgga 396

<210> 25002
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-F3

 <400> 25002

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 ggaggatgag aggaacacac agccttctcg gcaggaagaa gcacgacgac gaccaggaga 180
 agaagaagca gacggatgag ctggcgaccg gcatggagaa ggacacggtg tccgagcccc 240
 agaagcacgg gcacaaggag gaggagcacg aggtcgctcg cgagaagaag gagggccttc 300
 tcgccaagct gcaccgcacc agttccagct ccagctcgtc gagcgacgag gaagaggagg 360
 cgatcgatga gaacggcgag attatcaaga ggaagaagaa gaagatggg 409

<210> 25003
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-F4

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<212>      DNA
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<223>      Clone ID: LIB3066-002-Q1-K1-F5
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gtaaagctaa	gaagcacaaa	gccaacgata	ctgggggtttc	taaggatagc	aatgggggaa	180
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tagcagaagc	accttcttca	gagattgagc	agatagaatt	tcgtgatgct	gttaaaggta	300
ataatatcgc	ccattcaaat	acgtcatgcc	gggagatctg	gacagagtat	cacgaattat	360
gatggggtgg	aataaaggca	gtcgcagact	acatagttta	cactgctagt	tctgttgtag	420
acc						423

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<212>      DNA
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<223>      Clone ID: LIB3066-002-Q1-K1-F6
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gtcaccatt acaggttgac ttatccggcc gtccctttgt gctactttca ctcggagtac 180
catcagactg gcatgctcac caccatgtct tacgtgtact tcctcggcat catgaggcta 240
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gagagtgcc tt 312

<210> 25006
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F7

<400> 25006

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ctcttttaca ataaaaggga tcgtattttg agcggcacct ccacctgcga ggacgcctgc 180
aaggacctgc ccaagaccag cgacaaggac gacgtcgtca acttcagcct cgacttcgag 240
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ggctccgtcg atgccccga cggcgcctcc gagggcctg cgagcgccag cggcccgtct 420
ggtg 424

<210> 25007
<211> 277
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-F9

<400> 25007

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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaggaa gaaaaaaata aaggaacaaa aattaaataa aaaataaatg aaaaataaaa 180
aaaaaataaa taggggcacc taaattaaat taattggcca tatataaaaa acgtaattga 240

ctggaaaaac actgggggtat ccaaatttaa tcgcttt

277

<210> 25008

<211> 397

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-G1

<400> 25008

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gctcgctac attgccctgg actacgacca ggagatggag actgccaaga ccagctcttc 240

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ccgctgccct gaggtcctct tccagccatc cttcattggg atggaagctg ctggtatcca 360

cgagaccacc tacaactnca tcatgaagtg cgacgtg 397

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<211> 396

<212> DNA

<213> Zea mays

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gtccgcgccg ctgccagcga ccgcctcggc atcgacctct ccatacccgga ccgcaagctc 180

ttcgtccgcg gcgtcggtga ggaataccta ctttcactct cctccaagga ggaggcgaag 240

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<210> 25010

<211> 324

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-G11

 <400> 25010

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 tggttgttta tgaactctgg atcgccacca gaggcttgca gctgagttgt tcattaaata 180
 atttgtttgc tgcattcctgt gatatcgca gaaaataatc taaccaatgg ccggtgtagc 240
 ctctggttgt atgtggcaag gcactattgt ttagagagat caaaaggaac aatgctgata 300
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<210> 25011
 <211> 407
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-E7

 <400> 25011

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 cttgcttcaa aggagattac tgtgaattct cccatgactg caatgatcaa ccagataatg 240
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 ttgaagttca ttgtaactgc ccccaaccag caaccactgt agcgcgtgca tcctncaatt 360
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<210> 25012
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-D2

 <400> 25012

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<210> 25013
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D3

<400> 25013

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 cggaccgtcc gtccgcatct cttcgggcca tcagggtgtg gttgctcgct acattcttga 180
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<210> 25014
 <211> 430
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-D4

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tgaacatgca ggtggacgcg ttcgccaagc gcaccgcgca ggcgcgcaag cacgtcgca 360
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<210> 25015

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D5

<400> 25015

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gggtcagatt aagactggag caccctgcag atcagagcgt cttgccaaat acaaccagct 180
tcttaggatt gaagaagagc ttggcgctat tgctgtctac gcaggtgcca aattccgtgc 240
acctgtggag ccctactaaa cgggcgggat gcaagtgctt ttatgtctgc acaagtctg 300
tgaaactgtc tactgcgacc tgcagatttt actctttag tagcctgagt agattctagc 360
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<210> 25016

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D6

<400> 25016

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ctgccaccct ccaacgccgg agcgccctcc tacggcgcgg cggcgccctc cgggggctcc 180
gccgatgccc ccgccggcgc ctccgagggc cctgcgagcg ccagcggccc gtctggtgac 240
gacgcgccgg cgctccggtgc tgggtgccag gcgtcggctg ctgatgttc cgcggctgaa 300

catgcaatgc gacccgtcta gccagccaa ccgcatcagg cgcgcaatgc acgtctcga 359

<210> 25017

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D7

<400> 25017

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cgcggcgacg cagtccaggg cgcgccagga agcaccggac ccggcgccgg cggcccgacc 120

agaaccaatc cagggggtgc cgcggccgcc cgtggggcag gtggggccgcc aggatccggg 180

acccggtcaa gggcggtccgc gtttggttgg gaactttccc ttcggccgag gccgcgcggc 240

gcgcttataa ccacgcg 257

<210> 25018

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D8

<400> 25018

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taataaacat catggggcaa gcctcacggc tcgtcctact cgccgtcgtg gcgctgctgt 120

ccgccggcct cctcccgag gcgctgggta agggtagggg aggcagggga cacggtggcg 180

ccgtcaacct gcaggtcgcc ggcattctgt ctgcacccc gttcccgag gtgtgcacgt 240

gcaccgcccg gcggcacgcg tccaagtacc cggatcatcga caacctggcc gtgctgaaca 300

tgcaggtgga cgcgttcgcc aagcgcaccg tgcattgcgc caagcacgtc gcgaggtcgg 360

cccgacc 368

<210> 25019

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D9

<400> 25019

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ggcgcccggg gacaggccca acacggatgg catccacatg ggcgactcat ccgggatcac 120

catcaccaac accgtcattg gcgtcggcga cgactgcac tccatcggcc ccgggacctc 180

caaggtgaac atcaccggcg tgacctgctg ccctggccac ggcatcagca tcggaagcct 240

agggcggtac aaggacgaga aggacgtcac ggacatcaac gtcaaggatt gcactcttaa 300

gaagacgatg ttcggcgctc gcatcaaggc gtacgaggac gccgcctccg tgctcacctg 360

ctccaagatc cactacgaga atatcaagat ggaggactca gccaacccca tct 413

<210> 25020

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E1

<400> 25020

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gtggcgctg cagaattctg aggaatacca ggtttccccc atccttttcc ataaaacata 120

tttatgtatc cataactaaag agtactttct gaggagtact tcatagattt tttttttaat 180

tgccttggtt gccttcagtt tccttaattt tcatggttta catggatgtg tgtgtagggg 240

ctatatttgt gtatatacac gtgggt 266

<210> 25021

<211> 196

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E10

<400> 25021

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catattgtga ttgttcacgt atacagggtt gaatttagct ttgatatgaa taatgagaac 120

caagtgtgta tgaatggaga aggggtgtaa ccggatcgga tacgaacgaa tattgcttgt 180

accatattta tttcat 196

<210> 25022
 <211> 417
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E11

 <400> 25022

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caacatccac atcaacgaca tegtctcttc caacaaggac ggagggtacg tccgcgactc  180
gccggaccac ttgggtggc gcaccgtctc cgacggcgac ggcatcaccg tcttcggctc  240
caccaacgtg tggttggaac acctctccct ctccaactgc caggacggcc tcatcgacgt  300
catcgccaag tccactggcg tcaccatctc caactgccac ctcaccaacc acaacgacgt  360
catgctcttc agctccagcg acaagcatcc cgaggaccag atcatgcaga tcaccgt    417
  
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<210> 25023
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-E2

 <400> 25023

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tgtggtcgcc gcctcattac ttggatctcc gacgcgcgag gtggtcgggt gggcgatgct  180
tgcttgccat tgtgctcgtc gtcgcttgga tctccggcat ggtggtcgcc gcctcatcgt  240
cgggtgagca ggtgtcctac cgtggcgact ggatccgagt ccagcccgtg cccgggtgcct  300
tcgtcgtaaa ctccggccac atcttgtgac tcacatttct catgtttttg aatatgtata  360
caaataaaa tggtgcagtt accctttcac tgacatgggt gatagacaga ttacctcat  420
a                                                    421
  
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<210> 25024

<211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E3

 <400> 25024

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 caagagcaca tatgagtcaa tcaccaatgg aaatcctacg tggaatgagc tgccagtctc 180
 aacaagcact ctctacccct gggatccatc atctacatac atgcatgagc caccttactt 240
 caaggatatc aaaatgagta ctgctggccc gcggtctgtg aaggatgcat attgcctttc 300
 gaattttggt gacagcatca caaccgatca catctcacct gccggaaaca ttcaccaga 360
 cagcccatct gcaaaatatc tgaaggagcg tggcgttgaa aggaaggact tcaactcata 420
 tggtag 426

<210> 25025
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-E4

 <400> 25025

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 gccgccacga accggttcaa cgcggacgtg ctgagggcca cgacgcggcg ggcgctggcg 120
 aggtacgatg gcccgatgcat ggcgaccaac cccatcgacc ggtgctggcg ctgacgcgcc 180
 gactgggcga cggaccggaa gcggctggcg cagtgcgcgc gcgggttcgg ccacaggagc 240
 gtcagcggcg cggccggcaa gctgtacgtg gtgagggacc cgagcgacga ctagatgac 300
 atcccgcgga agggcacgct gcggcacgcg gtgatccagg accggccgct gtggatcgtg 360
 atcgcgcaga tcacgctgca gaacgtgcag aacgtgatcc tgcacaatc 409

<210> 25026
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E6

<400> 25026

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accggcgggcg gccaatgccg cgcccgcgcc acggaaggcg gaggccgaga ctggcgggga 120
cgaggacggt tgtgctggta aggcggcgcc ggcaagaag cgggagcgga gcagcgaggg 180
gaagcaccgc acgtaccgcg gcgtgcggat gcgggcgtgg ggcaagtggg tgtcagagat 240
ccgcgagccg cgcaagaagt cgcgcatatg gctcggcacg ttcccgaccg ccgagatggc 300
cgcgcgcgcc cacgacgcg cgcgctcgc catcaagggc cgcgccacgc gaagtggccg 360
ccacaagagc ggcagctggt cgacttgccg gacctgctcc tcgacgtccg ggacgggttc 420
gggcgc 426

<210> 25027

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D11

<400> 25027

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tgcctgagggc tagacaaata ctgagctagc cttcagaaaa aaaaagaaaa gaaagagatt 120
gagaagcagg gagaaaaaat ggcaactggcc cattgaggaa gcttgagaac cagttaacaa 180
gaattgcaa catattcttg gacaatcttg ttaacagagt tttaaggttt ccagcagac 240
atctttcgag tccaggaaga gcgctgcaa ccaccacatt catataatta ataagcaagg 300
tttagagaag aggcaacatg ggcacaaaga tgaagaagg gatcctgaag ccgttccgct 360
atatctcaac catcatggat ggtaaggagg ctgaaatgca aattgggttc ccgac 415

<210> 25028

<211> 427

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-B6

<400> 25028

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tcggtgacgg cgcacggggc caccgacccc aacatgaagt ccgggctcgt catccagaac 120
tgccgcctgg tgcccgaacca gaagctgttc ccggaccgct tcaagatccc ctcgtagctg 180
ggccgcccct ggaaggagtt ctgcgcctc gtcacatgg agagcaccat cgccgacttc 240
gtcaagccag aggggtacat gccctggaac ggcgacttcg ccctcaagac gctctactac 300
gccgagtaca acaaccgcgg gcccgggcgc ggcaccagca agagggtcaa ctggcccggc 360
ttccacgtca tcggacggaa ggaggccgag ccgttcaccg ncgggccggt catcgacggc 420
gccatgt 427

<210> 25029
<211> 407
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-B7
<400> 25029

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acgattaaga cctcattgga cgctccactg actgatggca tagttccaga ttcatgttca 120
aacttatgca ttgaggacag caccataagt gtcagccatg aagccatctc cctgaaaagc 180
gggtgggaca ggtatggcat ttccttcggg aggccacct ccgacattcg catcagcaga 240
gtggacctgc tatcatcttc cggagccgct cttgcattcg ggagtgagat gtctgggtgg 300
atctcagaca ttcatgttaa ccacctccgg atccacgact cctccaaagg tatttctttc 360
aagacctcac ccggccgtgg gggttacatc gaggacgtgg tcatctc 407

<210> 25030
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-002-Q1-K1-B8
<400> 25030

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cctcccaagg ctctctgcga gcagccgcgg cggcggcgcc cgtgcgtcct cctcagcttc 180
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 cggtcgcgc gcgggcccgt gctcctctc cagggcttcg gcgcgtcggc gacgtggcag 360
 tgggccccgt acctccgcag cctcctcgcg gccggcctcg accccatcgt cccggac 417

<210> 25031
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B9

<400> 25031

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 gcacgagccc cccgtgttcc agtgcccgca ccgcccgttc cactccctcg tacgatccat 180
 cctgtaccag cagctcgctt tcaaggccgc cgcctccgtc tactcccgct tctcgcgct 240
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 ccgccagatc ggggtctccc cgcgcaaggc gtctacctt cagcacctcg cccgcaagta 360
 tgcttcaggg atcctctccg acgcctcgat cgtcaacatg gacgaccgct ccc 413

<210> 25032
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C10

<400> 25032

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 gatgaaatta tcctcaacac tgactaactc catgtcaaaa gaagaaaagc ataattctgg 180
 gtacatgtac acaaaaattg ctcagctact gattaataat gtagcttaag aaactaggct 240
 gtaatcattt cctctcactc agaagagcct ctgtatgtgt cgatcatgct ggggtccagga 300

ctaacgagtg caagaataac aaggctgctc aacaacacca gcagcattcc cagggagttc 360
ataaacatgg cttctgtgga gaagcgctca atcattttgg cgctctgcat aaagattgac 420

<210> 25033
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C11

<400> 25033

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actccattgg acgtcgccag tgtcgaggag tacaagcaga aggcgggctt ggtgtcgaag 120
cggggccgga ggtcgacagg cagcaactaa ctaccgtgac catcgtcacc gttgtgggtgg 180
ttcttcgccc tccgtgcctt cttccccctg tccgatagcc gacgccggtg cgagatctac 240
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tcgtcctcag ttgctataat gggctccaag tgatgggagg catgaaacat gctgaagtga 360
tacatgctcg tattttgaaa ccagatagct gcaaaaccaa gtcaataaag caaag 415

<210> 25034
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C2

<400> 25034

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cccaatcaga atcaggggtg gtaggcggag gaaggaagg gaaaggcgac gagctgggtga 120
cgacgaggag caactagcgt cggaagccg ccgagcccca ggcgaagtca caggccgccg 180
cagcggtgcc ggcgcccacc cgatccgccg ccgccgccga cctcgtgctc gcgcctccgg 240
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cccgccgggg agtgcgaaatg gcgggaggag ctgcggcagc agcagtctca ggtggacgcg 360
ctgcgggagc ggctcgtgga 380

<210> 25035
 <211> 390
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-002-Q1-K1-C3

<400> 25035

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 gctccggagt ccgaggggaa ggcagaggag gcaagcaggc cggatgggtg ccgctggtga 180
 cgccgcggca gcgggcacgc ggtgagagct ctgcgggggc gcggcgccg tgcactgcgc 240
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 ggcgtccagg cacgtgaggc gccgnctgcc gcgcgnggc gccgactccg ggggtgtccgc 360
 gtccgcgtcc agcggctcct gcctgtccac 390

<210> 25036
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C4

<400> 25036

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 tccaacaagt aacattgacc gcaaacggat catcgtccg tgcggtcaat gtaattaact 180
 aagctttctca atcatacata gcttggcaaa tgctgaggg ctagctagac aagggtccgtt 240
 gagctagccc ctttgggaag aaggagagg aatggcgctg gtggcccggt gagcgaggaa 300
 gaggtatttg agaaccggtt aacaagaatt gccagcagca tctggacaat cttgttaaca 360
 gagttccaaa ggttcaattc caagcggata caatttccga gttggatcga gaagagtgcg 420
 tgca 424

<210> 25037
 <211> 404
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-C5

<400> 25037

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cagggcggttc gccctctgcg tggctacggc atgcctcctc ctggcgggcg gcatgccctc 180

gcctgtggcg gcgcaggacc cgtcgaagct gagcctgcag tactactcca agacgtgccc 240

caacgtggag cacgtcgtcc ggacggagat ggagtgcgcg gtgcgcgccg acacgcgcaa 300

cgccngctc atgctccggc tccatttcca tgactgcttc gtgcaggtga tcagtcggtc 360

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<210> 25038

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C6

<400> 25038

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caaaattgag gtggacatga gatagatcta tgctgatctg ctacgagatc ctgattaaac 120

catatcatat tgaccgcaaa cagatcattg ctgcgagcga acaatgaaat taactaagct 180

tctcaatcat acatacctat ctaaatgcct gacgactttc tacactagct tctatgagct 240

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<210> 25039

<211> 334

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-C7

<400> 25039

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cttcaggct cccgtctcca tgggtctcct ctcaaacagg attgggaggg agagcctcaa 120
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 tgtgggcat gataaggtga tccatttcac angaggaaga ggacaggagg tcggaacagg 240
 aactgtcgtc gatattattc ttgtgagttc caccctcaaaa cgaagcaaca cgccttgccc 300
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<210> 25040

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C8

<400> 25040

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 gtggctcgcg ctggcgacg ccgtactgac gctcgcccag gctaagaagg acctgacgga 180
 ggttaccctc caggtctact tcgacatcga gatcgacggt aagcccgcag gccggattgt 240
 catggtgctt tatgagaaga ctgttcctaa tactgtagag aacttccgag ctctttgcgc 300
 aggagagaac ggggttgcca agagtggcaa agcccttcac tacatgggaa gtcagttcca 360
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<210> 25041

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-C9

<400> 25041

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 aataatccga tcccacagaa acttttctct cggtcggttc gatcgatcgc tgccgtgtcg 180
 ttgcccagac accatcagca cccaaaacca tggcctgcaa cctggctcag tgcgccaccg 240
 ccgccgggc gaccgtcgcg ccccgaccc ctgcctcgc tgcgtccgcg tccgtctcct 300

tctccgcgag gaagccggcg ggcggcagcc tgcggctgca gcggcaggcg tgctgcgagc 360
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<210> 25042
<211> 229
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D1

<400> 25042

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ggccatggcc tcgattccgg cgacgacctt cggcggcatc ttattcggcc tcttctgtgc 180
cgcggtggt gccgccgttg acaacgaact ttccgagtac gttattcaa 229

<210> 25043
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-D10

<400> 25043

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gcagatggta cactactaca tttcaaactt cattgcaaag tagaatatat atggacataa 120
gatcacatgg atgttgctcc aactttttta gcacacacag atatacaacg caaatacaca 180
ttgattgcct tctctggagg caattcacca cacgtgcgtt cctttagtta cccccaagag 240
gatggcaacg gcagcaacaa cggcagcaat tgtgcaagca acgtatcctg gtttctctcg 300
ttggtcatgt atattctact ttgcaatgaa gtttgaaatg tagtaatgta ccatctgctt 360
cttgtaagca gcactgcac atataataa aggaaccttt tttttt 406

<210> 25044
<211> 286
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B5

<400> 25044

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gggccagctt cggcagcaaa ccggcgggccg gcgtgggcac cgtgcttggc cgggccatgg 120

aggacacgcg cgcgagctac tcgatgggcc aagggtcttg gcgcgggcac ttcggcgtga 180

cccacctgtg cacgcaccgg acgagcggcg agaaactggc gtgcaagacg atcgcgaaac 240

ggaagctggc ggccacggag gacatggaca acatgcgccg gaaggg 286

<210> 25045

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-H6

<400> 25045

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ggtgtggtcg ccaccgtcac ccgctccggc aagaaggccg gcgacaactt cacggtcccg 120

ggggaggctt cccttgccac gtccggcaag tcggtcaagt ccctgtgcgc gccacccta 180

tacaaggagt cgtgcgagaa gacactgtcc caggccacca atggcaccga gaacccaag 240

gaggtgttcc acagcgtggc caaggtggcg ctggagtcgg tccagacggc ggtcgagcag 300

tccaagtcca tcggcgaggc caaggccagc gactccatga ccgagagcgc gcgcgaggac 360

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<210> 25046

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H7

<400> 25046

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gcaggctttc agtagagtgg tcacggggtg atcaagctgg tagacgtgat ggcaacaaac 180

cagaagcaaa tactaagcca acaaggacac tgtttgcac taactttgat ccaatgaaca 240
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 taaggaagaa ctttgctttt gttcagtttg aaactatgga agaagccaga aaggctcttg 360
 aagctactca tgctaccacc cttttggaca gggtgatttc tgttgagtag gccttcaggg 420
 atgatagtga agtgagtgat aggtacggca gcccaagaa 459

<210> 25047
 <211> 52
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H8

<400> 25047

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<210> 25048
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H9

<400> 25048

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 gaaggccgtc gaggtagcca aggattgtac atgggttgta tgaaatcagg gatggtcata 180
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 aacataaata gtgcgtcact gcagagttat gcacacgatg atatatcagt aggttcatgg 360
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 caa 423

<210> 25049
 <211> 353
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A1

<400> 25049

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caactaatgc acctatgacg cgacatcttc ttggatttcc atcaggttct ggatatatgt 180
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ggcgctgtga atgtttctcc taacttcccg ccgggatgaa gttctgtaaa ttgagttgct 300
gccggagatg tacagcccc cttccccaat taatccagaa ctttgggaat aac 353

<210> 25050

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A10

<400> 25050

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ggcccagaag aatagacgac caacccaact gcggcccata gtggacgacc tagggatggc 240
cgcccctagg gggtgcgccc cctctctatt tatcaaggag ctacgcctca tttgttcttg 300
gagttttgtt ttacgttagc tttagctact ctcgaacacg cgcaaatacag cgttgtcttc 360
gtgtattcag aactccaccc tcgagtaata gattagattg atcgcatctt gttctt 416

<210> 25051

<211> 99

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A11

<400> 25051

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ttttgtcttt tgaaaggcaa tactggttct tagggaccc 99

<210> 25052
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A2

<400> 25052

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caccgcgctc gacaccgact tcttccgaa gcgagggtc ggcagcaccg tgtggaactc 180
cggctccctc cgcacgcaa tccagtggct gcgagacctc aagccatcgc tctgcagctc 240
cgcgcaaggc acacgatgca aggagtctt cgcgagtgct ctgttcgctg taggcgaatt 300
cgggtgggaac gactacaacg cccc 324

<210> 25053
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A3

<400> 25053

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atgggccgac cccatgctgc tgatgctcag aaagcatatt aatgaactgt acaagcacia 180
aaagggttac ccttacaacc tgatcatcgc atgactgcaa tgtaacgaga cctgcggaaa 240
caggcttgct agagccttta ataaggctcc tgaccggact tttttccatt aaactgggtgc 300
caacagctct tacaacactg tcgttccttg tggacgtact tgtacatgaa actgcgatga 360
tagccaacct t 371

<210> 25054
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A4

<400> 25054

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gctgttgttt gttcgtctga acagccacct ctgcgccctc ttggtagctc tgctggtgat 180

ggggcttctc ttgttattaa atcagtactg gaccgagcaa ctgagttact gactgatcgc 240

catgctgcag ccagctacac tgtgccaaac cgtgctctct ggcaggcatc atttgatgct 300

ttctttgggc ttctaacaaa atactgtgtc agtaagtttg aaagtatcca acagatgttt 360

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<210> 25055

<211> 118

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A5

<400> 25055

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aaaaaaaaaga aaagaggcat atcaaaaagg cttaccaatt taaaagggcc ctcttttt 118

<210> 25056

<211> 190

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A6

<400> 25056

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cttctcttct ggaccacctc caaggctctt ggtgtagctt gccactctca ccaatcaagt 120

tttcatgtct gatctcgaca ttcagatccc aactgccttc gatcccttcg ctgaggccaa 180

tgctggggac 190

<210> 25057

<211> 54

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A7

<400> 25057

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<210> 25058

<211> 423

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-002-Q1-K1-A8

<400> 25058

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tccatcgcg tcttctctac tgaaaagggt ttatttggat gtattttcag tagtagttat 180

tgtacttggg ggtgctctgg catgttacgg tgcagtgtta ttctcgaaga tgagcaaagt 240

tcgttctgaa actgtatcaa ctgagaagtg gaagggtgcc agtttagctg ctgtctcgct 300

gatctgtttc tcgtcttctg ctatacttgc acttgtgact aatgttccag tgcttttgta 360

ttggatttca acagatgtgg acatcatcaa caatgctgnt attatgttta tatattactt 420

cat 423

<210> 25059

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-A9

<400> 25059

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tgtaaaacaa tgaaactgga aaccggcaat ggaaagcgtg agttccaggc tgagggttgag 120

attatcagcc gagtacatca caaacatctt gtgtctttgg ttggctattg catttctgga 180

ggcaagaggt tgcttgtcta tgagtctgct cccaacaaca catttgaatt ccacttacat 240

gggaacgatc gaccaacaat ggagtggccc actagattaa agatcgctct ggggtgctgcc 300

aagggttttag cttatcttca tgaagactgc catccaaaga tcatccaccg cgacattaac 360
gcataaaca ttcttcttga cttcaaattt gaagctatgg ttgctgac 408

<210> 25060
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B10

<400> 25060

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ccatggagat gaagaaggtc ctctgcgccg cctctgctgc cgccgcctcg gccaccgccg 180
tgctggcctc ggctgcctcc gaggcgccct ccgaggcgcc cgccggcgcg gccggtggtg 240
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tcgcctcctt cctcgcttac tacctccact gagcgacgac gcgcggtgcg gcaacgttgg 360
gatgcatcgt gtttggttca tccgattaat taattgtttt ttttatttac 410

<210> 25061
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-B11

<400> 25061

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cgtcatctag gtgaagaagt cggcaggcga cacgctggag tatgagatgt tctgcagcat 240
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tccttcagtg gttcagccat cacaattgga gccattctat tagaccgtct acgacagttg 360
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<210> 25062

<211> 394
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B2

 <400> 25062

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 cgggtgggtcc ttcgacatca ccaagttggg cgcctctggc aatggcaaga cggatagcac 180
 gaaggctgtg caggaggcgt gggcatcggc gtgcggcggc accgggaagc agacgacctt 240
 catccccaag ggcgacttcc tcgtcggacc actcaacttc acaggcccat gcaagggcga 300
 cgtgaccatc caggtgaatg gcaatctgct ggcgaccacg gacctaagcc agtacaagga 360
 tcatggtaat tggatcgaga ttctacgcgt ggac 394

<210> 25063
 <211> 78
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B3

 <400> 25063

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<210> 25064
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-002-Q1-K1-B4

 <400> 25064

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 aaagagagag ataaaaggag aaggaaagga gacgtggcag catggccacg ttagtgattt 180
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attaattata tagttgcaaa tgcgcacgtt aatggtagtc tgggacgccg acgccgaatt 300
 gtcgacggtc atggtttgaa cagcagcggc tttcaaagat agaattttctc catgtatgta 360
 tgtatgatcc gaaagttggg tggcagtttc agtgaatgga cagtgatatt tttt 414

<210> 25065
 <211> 369
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-G10
 <400> 25065

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 gagatgaaat gtgtctttta aagaccctca gagacacata atgcactagg ctatacatta 240
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 ctgactcaat acagccctaa tgtagcagat catgtatata acgctctgaa acaagctggc 360
 tctttatatt 369

<210> 25066
 <211> 423
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-G11
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<210> 25067
 <211> 395
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
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 <400> 25067

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aacaccacca ccactgctgt catctcggcc cgagccttct ccttcgcgca gctagccgat  360
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<210> 25068
 <211> 459
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-G2

 <400> 25068

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atgaagactc ttccgtcttc ccctcagaga tcaagagaag ccactaggtg aactgtgctg  180
agaagcaaag tcaaacaaga aataaggaga aactggctca ttcacaagac atggagttct  240
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 <211> 463
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G4

 <400> 25069

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<210> 25070
 <211> 460
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-G5

 <400> 25070

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 aagtccggcg cctncaaggt ggccgtcaac gacgtcgtct 460

<210> 25071
 <211> 461
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G6

<400> 25071

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 cacctataga aaacgacttt ccatattgcg agttgtgtga t 461

<210> 25072
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G7

<400> 25072

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 tctgacctcc gatccgatcc gccccgcgcc ttgcctctag ctatctcttc gccccatgc 360
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<210> 25073
 <211> 399

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-G9

 <400> 25073

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 taaagcgaca tggatatggca agccgacggg tgccgggtccc gacgacaacg gtgggtggctg 240
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 catcttcaag gatgggtctgg gttgtgggtc ctgcttcgag atcaagtgcg ataagcctgt 360
 ggagtgtccc ggcaagcccc tgggtggtgca catcacgga 399

<210> 25074
 <211> 205
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-H1

 <400> 25074

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 gttaccctga gtcgagttgt cacagtctgt atctatcgct cctgaaacct gaggggcctg 120
 tattgtttgt caagcacttt gtttcttctc ttctgtttgt agcctactat atccactgaa 180
 atctaagggg cctgtattgt ttgtc 205

<210> 25075
 <211> 350
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-001-Q1-K1-H11

 <400> 25075

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 cagatggccg gcctcaggat gaagtctgtc gccgtcgacg tcatggccgc cgcgctcgtg 180

gcgtccgccg cagccgccga ggcccacgcc cgggcccccg acttcgacgc cgcggacgtc 240
 gggccccttg ccgcggccct actcgtcgtc ggcgctcttca gctacctctt ctgctagaac 300
 cgcgctggac gcgtggtttg tgcttgattt gtgattcgac tggcgcgagt 350

<210> 25076
 <211> 209
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H12

<400> 25076

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 cactcgaaca tggccggtct aaggattaac aacgaaatcg tcatcgtaat aggcaactaa 180
 ctactaatat aaatgggatg cattttaat 209

<210> 25077
 <211> 460
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H2

<400> 25077

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 tccagcaaac agcctgatca agaattcctt gtgcaggttt cagctgtctc aaggttgaaa 180
 catgagaatg ttgtccaact cgtcggatac tgcgccgaag ggagcaccgc cgttcttgct 240
 tatgagtatg caactagggg atcattgcat gatatcctcc atggtaaaaa ggggtgtcaaa 300
 ggagcccagc cagggccagt cctgtcatgg atgcagcgag ctaggattgc cgtatgtgct 360
 gctcgaggtc tcgagtttct ccacgagaag gccgacctc gagtgggtcca ccgagacatc 420
 aagtcaagca acatactgct ctttgaccat gatgttgcca 460

<210> 25078
 <211> 374

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-H4
 <400> 25078

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 gactacctgg tcggccctct caacttcact gggccatgca aggggagcaa catcgccatc 180
 cagctggatg gcaacctgct gggatcaaac gacctggaca agtacacggc gagctggatc 240
 gaattgtctc acgttaacaa catcgggatc accggctcgg gcacgctgga cggccagggg 300
 accgncgttt atagcaggag caagaccgac aacgtgaagg cgatgcccaa cacactgggt 360
 gctgttcacg tgat 374

<210> 25079
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-F9
 <400> 25079

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 agcccgcggc ttcgtogaag ccgaaccgct tcgactcgga ctcggaactcg gagtccagca 180
 ataagccggc gaacaagtcc ggggcgtcgt cgtaccaggc ccccgccgac gccagaagc 240
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 agcactacgc ggcgtacaag gccgaagaga ccacggacgc 340

<210> 25080
 <211> 257
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-E4
 <400> 25080

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 cgacacgtct gatctgaatt acagacacac agaccattca attttcccc accgcgaacg 180
 ctgctgtctgc aaagcacttc aactacaacg aacacatgtg tcttcgatcg aactactata 240
 agactagaac agcgccg 257

<210> 25081
 <211> 461
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-E6

<400> 25081

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 gattgtggcg ctggccctgg tggccctgct ggtggtggcg gcggcgggcg ccgtggccac 180
 cggtacggc tgctacgacg actgctacga gcgtcgcc aacggcaaga aagaccccg 240
 ctgcaccaag atgtgcaacc aggcgtgagg ctccacggat cagggcgccg gtgccgccg 300
 cgccgcgccg gcttgatcg ccagcgcatt catcgcttca gctcgatata atcgctgctc 360
 cgtcagcaac ccacatatga ttgatcaat tttctnctc taatttctcg accccgctga 420
 atntttttcc tttctattct tctactatac tactactatc t 461

<210> 25082
 <211> 464
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E7

<400> 25082

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 aggactgcac cggcactcgc ttagacgcatt gctcagcaat aggaggtagt gcacaggcca 180
 aacgactgct tggccacaga tgtgagatct atatagcacg taaatactcg acgacctgga 240

tgacatccaa gcctacacgt agaccttgtc ctttcatcat gacacagagt cggtttctgg 300
 cgggtgcatta tacgggagca ttgctaagga gctcggaac ctagtcagtc tcatgatgct 360
 cgttgagatg gactatgtag tgtcatgacc tatgcatga gacatatata tttacgcaag 420
 acgtgtgctc aatttaactg acgtgcatgt acatatcaga tcta 464

<210> 25083
 <211> 459
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-E8

<400> 25083

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 gtcagggttg agatcaacgc cgatgatctt ggatgcgcca cacattttcg cgccttggac 120
 caccgcagct ggacaagcgt tccgtcgtag aggtgatcgt tgagatgacc ggcggcggcg 180
 tggactacag cttcgagtgc atcggcgtgc cgtcgggtgat gaccgacgcc ttcagatgca 240
 ccaagatggg gaagggcaag acgatcgtgc tggggctggg gagggacagc gacgaggtgt 300
 gcctgccgtc gctggagctg ctgttcggga ggtgcgtcat ggggtcgctc ttcggcgggc 360
 tgaagcccaa gacccacatt cncgtcctcg ccaagaaatg catggacaag gagctgcagc 420
 tggacgcgct ggtcacgcat gagctgggac tgcangaca 459

<210> 25084
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E9

<400> 25084

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 ctcgtcctcc acggctcgga gcacccctc gtactcctgt tcttccgtct cctcgagtag 180
 gtgctccatc tcccgcacct cctcctgttc gtctccaca gttgggagct ccccttctta 240

ccccgtttgc tctactcct cagttggagg atccctctag aggtcctatt cttcctcgac 300
 cgctctctcaa ggggtgttcca ccttctactc ctccacttgt ggcaccacgg ttagggggcac 360
 cctcccatc cctcctggt ccttcagctc ggaaaggcac ttcaacttct tcaa 414

<210> 25085
 <211> 463
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F1

<400> 25085

caatgtttca tgcacatca taaccattt gaaatttgc tttttttta ccaagctaata 60
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 tacttagcag ggccttcgcc atcggttcctt gttccttgga gaattgactg ctttgcaaca 180
 gatgtgagat agatttaaaa cttaaattac tccatgatct ggataacatc gaaacctaaa 240
 cctaattctt ctcccttcat caacacacaa ggtcgggttc tggcaatgca ttatcaggaa 300
 gtattgctaa ggagctgggg aaccttgctc atctcataat cctgtaagaa atggactatg 360
 tagtgtcatg acctatctga taagaaatat agatttaca aaaacgtgtc ctcaatttaa 420
 ctcacgtgca tgtacatata acaactattc aggtgtgtaa tca 463

<210> 25086
 <211> 215
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F10

<400> 25086

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 gcccgcggtc tcgtcgaagc cgaaccggtt cgactcggac tcggactcgg agtccagcaa 180
 taagccggcg aacaagtccg gggcgtcac atacc 215

<210> 25087
 <211> 385
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F11

<400> 25087

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ttgtcggaca actcaacttc acaggccctt gcaagggcga cgtgaccatc caggtggatg 120
gcaatctgct ggcgaccacg gacctaagcc agtacaagga ccatggtaat tggatcgaga 180
ttctacgtgt ggataacctg gtcatacccg gcaagggaaa ccttgacggg cagggcccag 240
ccgtgtggag caagaactcc tgcaccaaga agtacgactg caagatcctt cccaactcgc 300
tggatgatgga cttcgtgaac aacggggagg tgtccggggt cacgctgctc aactccaagt 360
tcttccacat gaacatgtac cggtg 385

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<210> 25088

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F12

<400> 25088

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gattgtggcg gttctcctcc ttgccacctt tcttgtgctg gcaagatcgt tgtgggttcc 120
agaagaaccc tcaaatgccg atgacataag aggtgcttgc atataggagt gcaccaaaga 180
aaatacggct cctggcgaca agaatacatg cgaagtgttg cgcaccaagc tcacaaaaaa 240
gcctagcgaa gaaggcacac atgattgatg aagtaccact gcgataatat ataccctagt 300
gtgatcaatg gtcatacttg tagccatgtc tgccacacga tggactcgac tatattgtct 360
gatcgttcag atgatgggtg acactagcat gctaattcct tgctcatata acctaatttc 420
ac 422

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<210> 25089

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F2

<400> 25089
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tcaagaacat cgacaaaata aagcaggtgg actgccctgt gttagtcata catggcacag 180
ccgacgacat cgtggacttg gctcacggca agcggctgtg ggagctagcc aaggacaagt 240
atgagccgct gtggatcaaa ggcgggtgggc actgcaacct gcagacgtac ccggagtaca 300
tcaggcacac gcgcaagttc ataagcgcca tggagaagct ggccaaggac agcagcaagg 360
cggcccaggc gccgcccggc tcgagcatgg ccgccgaaga aagacacacc aagtgcttga 420
gattcgggaa gagatgagat gccggcgacc tggacct 457

<210> 25090
<211> 463
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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gcgttcgagg agctgggtgcg cgggatggac gccgacggcg gcgagctccg cgtcgcgccc 300
ttcagcgaca cctgtgccct cgtctccgtg ctcttcagca gcctcgggat ggccttcagg 360
ttcgccgaga tggagtagct caccaaagtg aacgatctca tcggtgccgg caagtcgtac 420
cgtacgctga gcgacatnct cgacaaggac atccagaacg act 463

<210> 25091
<211> 459
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-001-Q1-K1-F4

<400> 25091

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agggcgatgt tcctgtcctt cgggcggagc gacgacagca tgaagaagac agacgacgac 240

accacgagcc ccaagaagag agccatcgcg gctgctgatg acgattgcaa gcctgccggt 300

gacgagtcaa cgtcgtggaa gcgcctcgtg gacggtatgc gcccgctccg cctccgcggg 360

cagctggagt actacccgcc gncaccgncg tcaccgtcgc ttggccacgc cgatgtgtac 420

catgacgtga ntccctccggc gccgtcgcag gcacggttc 459

<210> 25092

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F5

<400> 25092

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acccaaatga ccatgtgaat aggtcacaat cttcaaatga tacatttccc actgtaatgc 120

atatagcgac ggccgttgag atacattcga ggtttatccc aagtttgcaa cagttgcatg 180

attcacttca ttcgaaaact attgagttta aagacataat taaaattgga cgtacacata 240

cccaagatgc caccctattg actcttggcc aagaattcag tggctacact acacagggtca 300

aatatggaat tgaccgcatt aattgtacat tacctcggat gtaccagctt gcttaagggtg 360

gaactgcagt tggaactggc ttgaacacct ataaaggatt ttatg 405

<210> 25093

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F7

<400> 25093

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ccgcgcacgac ggctgtgccc agcggcgggcg gctgtgcctt cgctgcttct gttcgccggt 120
ctattcgcgg gccggggcggc ggcggcggtt gccacctgc aaggcgccgg cgccggcgcg 180
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tcggagacgt acggcgcggt tcgggcactc gggtttggat tcggcctgtc cagcgtcagc 300
gctgcgctca tcaacggcgc tcttggtagc aagtgcagac ctcaaatgc aacgtcatcg 360
aagttggata tctacataga ggacatccag aaagggaaac atggaagcga ttcagggtca 420
tacgacgccg aaggaagggt tgttcct 447

<210> 25094
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F8

<400> 25094

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gtaataagga ctatatatat tcaggtagaa attttttata tg 462

<210> 25095
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E3

<400> 25095

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cgttcgacga catggcccgt ctcgggcgcg gcgccgtgtt ggcgctacta gtggcggtcg 180
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 acgcggcgct gcgcgcggac catgtgccgt gcaacaagcg c 461

<210> 25096
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H4

<400> 25096

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 aga 423

<210> 25097
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H5

<400> 25097

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atgcagcgcg ctgcccgcgc tttccgccc agcagggtcgc gcgcccgcgt caggacggtc 240
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gcggcagcgg cggtaccgc ggtgccgcct gcaggtgcca agacctccag cagcaacgat 360
gcccgcgacg gcgccatggg cagcgtgcag gacgagccgc ggcagcagcg ccacgatgac 420
tatcaccccg agatcgtccc cgaaaagatc a 451

<210> 25098
<211> 260
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H7

<400> 25098

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tgcttttctg tctctagctt tagcttatct tgctcacttt tctctcctct tcttttaata 180
cccgtaacac cactcgtact tctaaaattg aaactctttc tctcttggtg tgccgtgtgca 240
ccattcttgc ttgctttctt 260

<210> 25099
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H8

<400> 25099

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ccaggctaac caaccactg tccttcataa gctaggtggc cagttccacc tgagctccag 180
cttctctgaa ggtgtacggg cccgtaacat ctgcctttct ttctcatctt atgaaaggag 240
atgtgccacg aggaactaca tgaccagag ctttggggc ctttcaatgt ctgttagcgg 300
tgccatcaat gttccagtga tgccgactcc gctttttgcc aatgctccag ccgagaaagg 360
tggaacaaac ttcatgattg atttcatgat gggcgggtgt tcagctgctg tttcgaagac 420

tgcagctgct cccattgaac gagtgaagct gcttat

456

<210> 25100
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H9

<400> 25100

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tctttaaaaa gcatcccttc caatcttttc accaagcact ccttccactt ccactacaca 180
ccccaccaca aaaacaaact ctccctcacc tctctccaga tactgtccac cgtcaccaat 240
ctcaaagcca tcaactatgt ctactgcctt caactactgc actcccacat cggctcccac 300
atccccacca ccagcctact ct 322

<210> 25101
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A1

<400> 25101

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tactgcgaca actgccgcgc cgggttcgag acaaactgtt cccacgccat ccaaggcgcg 180
acggtggaga tggagtgccg ccacttcgag tcgcagcagg tccacgacaa ggcggaggcg 240
acgacgggcc ccggcggttg gtacaggatg gagatcagcg gcgaccacca ggacgagatc 300
tgcgacgtgc gcctgctcaa gagccccgag gcggactgcy ccgagatcga ccaactccgc 360
gaccgctgcc gcgtcccgtt caccgcgaac gacggcatca agcagagc 408

<210> 25102
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A10

<400> 25102

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tgacccttgg acagtgcaac atgggtggtt agaggctcgg tgactacctc gtagagcaag 180
gcctgtgatt gaatgcatcc aaacaacgac accaacgcca acattaatta attagtagtc 240
tccatgccct gggattgtgc gtggccgctc cgtaaacaac caccatcct tcgttcggca 300
ttttttcccc cttgtttata taattttatt gtatcgtttt ggcaaataat tttgtgattc 360
gaccccaaag caagtttggg tgtcttacga tttgtaaacc tggaacaata tataatgtga 420
ttgaactgct ttgtct 436

<210> 25103

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A11

<400> 25103

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gggacgttcg acgtgtcgtc gaggaccggc ggtccattcg gcacgatgaa gcatcagtcg 120
gaattggctc acggcgctaa cgcgggggctg gacatcgcgg tcggtgtgct cgagcccatc 180
aaggaggagt tcccaatcct ctcttacgcc gatttctacc agctcgcggg agttgtggcc 240
gtggagggtca ccggtggggc tgagattccc ttccaccccg gtagggagga caagcctcaa 300
ccccacctg agggccgact tctgacgcc actaagggtt ctgaccacct gaggcaagtt 360
tttggcaagc agatgggctt gagcgatcat gacattgttg c 401

<210> 25104

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A12

<400> 25104

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aagacactca ctggcaagac aatcacctt gaggtggagt cttcggatac cattgacaat 120
gtcaaggcca agatccagga caaggagggc atcccaccgg accagcagcg cctcatcttc 180
gccggcaagc agctggagga tggccgcacc ctggcggact acaacatcca gaaggagagc 240
accctccacc tgggtgctccg cctcaggggt ggcatgcaga tttttgtgaa gacattgact 300
ggcaagacca tcaccttgga ggtggagagc tctgacacca ttgacaatgt gaaggccaag 360
atccaggaca aggagggcat tccccagac cagcagcgtc tgatcttt 408

<210> 25105
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A3

<400> 25105

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tggttttttt tttttttttt tttttttttt ttttttgggg aacttatttt tcttttgaac 120
aatataacct ctggcttaaa aattttgata ttttaagttg gaaattgttt aaccccataa 180
agtgaacat ttgaatgggc caatgttgaa atacctgtta ctagaccggg tttcagtga 240
aataaaatct caagtctgc caacaaaaaa tatccccggg gtggaaatct atggccccca 300
taaactgcaa ctcatataac ggcttccaat ggcaatccta atttaaaaat tggccttcta 360
actaagggga ctcttggtgc gccaaagtga ccgcttaata cccttcagtg gggtcttttt 420
caag 424

<210> 25106
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A4

<400> 25106

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gcccgcgctc tactgcctcg gcgtcgctct actcgagctc ctcaccggca agttcccggc 180
 gcagtacctc cagaacgcca agggcggcac ggacctcgtc gtgtggggcca cgtcggcgat 240
 gcccgcaggc tacgagcggg acctgttcga cccggccatc atggcggcgt ggaagtctgc 300
 cctgccggac atgacgcggc tcatgcaggt ggcggtggac tgcgtcgaga cggacctgga 360
 gaagcggccg gagatgaaag aggcgttggt gagggg 396

<210> 25107
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A5

<400> 25107

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 cgaccacctt cctcgccaac accctcagcc tcgaggagaa cgagggtgtgt gtatcgcgtt 180
 catgaaagcc atcgtgcctg gtgggattga attcgagatg tacttctctg tcaggagaaa 240
 tggcgtggga tttggtttgt atctcgattc ttctgtgtgc gtctaagtag atcgcggtca 300
 tctgtacagg ctatagattg gtgccttctt ccaatctccc cctctcttag ttccccaccc 360
 tctccgtctt ccatttgtat attggagacc tatactcgag atatcaccag gtctatcttt 420
 tcattgt 427

<210> 25108
 <211> 478
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-A6

<400> 25108

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 aaggccgtgc ggggccgtcc aagcgcgca ccacgtaggt cggctccgcc agaccgccac 120
 tccggcctct gtgtcaccgg aaattcgctc cggaataa gtgtgcactg ggcagtgggc 180
 agatatgcag ttggttctcc tgtccatgaa caattaccat ctcaaggga ttaagaagct 240

acagctatat tatgttcgac ggtgtaacac cctgaatttt agggataaaa atttcttctc 480

<210> 25111

<211> 488

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-H3

<400> 25111

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ctcttcgcnc tctcaaacgg cccctcaagc cgccaagaaa tggannggag ggcngccacg 180

agccgcgagg aaccctgcag gtgcannngc ggtgccgggc cgccgtctgg aaaccggctg 240

gcgaactgct ncagcaccgg cgaacgatnn gccgagtggg agggacccat gtcggttgaa 300

gaagggatcc cctggtnncg attacatnnn gcttcggatg ggtcctaact acannattcc 360

gcncacccan nagctcnngc tgagactnnn tctggtattc aaggaccctc cgttgatant 420

tgatgggtct ttctcgatgc cgaaaaagag tnaattggat tcttcttcag aaaataatga 480

aaagtttc 488

<210> 25112

<211> 432

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-G1

<400> 25112

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tggcaccacg gcgtgaggac gatgtaaact cacaagcaca tctggaacag cgggatcagg 120

agcgtgccgc ggagggttcg tgtgaggatc gcccgcaaga ggaacgatga ggaggatgcc 180

aaggaggaac tctactccct tgtcaccgtc gcggagatcc ctgccgaggg cttgaaaggg 240

ctggggacca aggtcgttgga cgaaaccgat taagctgtcg cgttctccac atctttagag 300

agttcctagt ttgtatttgc aacagcaaaa ctttttgtat ccaaagaagt ttttgtattc 360

acaaagttgt ctatttctgn cacagaattg catggctagt tttcttttca tctctgccac 420
atccttttct tc 432

<210> 25113
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-G10

<400> 25113

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ccagatttaa aaaaacacag aaatctgctg gtgtccttga acagggaaat gttgctctgg 120
atgttgctcg cattcttcta cgctgtanag ctgagttggc tactacagac attactgatt 180
atgcattgga tgctctacgt ggcagcacga taaggaacgt atatttggtt gagcgaccgn 240
gtccagtaca gggcaacttg cacagcaaac gagctgctg aaattttaag tttgaaaaat 300
gtccgtatth gcatcaaggc agctgatctc gtgaccacac ctgcggacga ggaggagatg 360
aggaatagta gaatacatag aagagtttat gaattgttgt caaaaactgc gcatggcggc 420
aacaattaca atggccaaaa ggagcttcat tttgtgttt 459

<210> 25114
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G12

<400> 25114

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ggctggccaa agagaaggct ttcgcggcgg agaacgtcgt acagcatgag atgctcaagt 120
tcgccaagga gtatggtctg gagtctctgt ccaacggcac ggagtggtag aggggcatcg 180
cccgggagtt cgtggacgcc cacaacgagc tccgcgcgcg ctacggcgtg ccgaccatga 240
agtgggacta ccagctggtg cggcaagcgc ggcgctggtc caacgccatg cgcaaggact 300
gccagatcct acacagcgga cactagtacg gcgagagcgt gttcaggagc tactacgact 360

ggaacgccac cgccagggag gccgtcttat ggtggggcaa

400

<210> 25115

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G2

<400> 25115

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gccacggggt ctcagaactca tgggcgccat gcgcactgcc atcagcttga tcgtgatggg 120

attcgtccgc ttcttttatca agctcatgat gatccacatc aacagacatc atcgacgaat 180

tctgctgatt catgaccgtc actgactaac gagtggacaa cgtcatctgc ctcttgaccg 240

cgcacctcta gcataccgaa tgcactgtgt tgatgtgaac gactagtccc aggggtctacc 300

tggtactctc tcgtgcctga tgtcgaatat tcatatgtga agaagattca cttagatggt 360

accatgtgca aacagaattg catggctagt tttcttttc 399

<210> 25116

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G3

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gtgaatcatc ccctcgatcg gcggggacgg ggccagggca tgaggcggcg gcgacccgac 120

tcctgcccag ctgattatac atccgtttac ctggtattgg cataaggaga cccttgatg 180

cgtgtaatgt ttgtttgcag ttctgataag gtgtgcaaga aggctcatgc tactgggagc 240

aatgcttgta tctcagtttt gcttctgcgg gttttttatc cacaaattac attgttctcg 300

ttgatcacat ttccataaaa ccatttatca gtaggtcacc atgtagagca aaagaagata 360

agaaaaagtt gcttcaacaa aaa 383

<210> 25117

<211> 160

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G4

<400> 25117

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ggcacgtcct ccgtttcaag gtaaggccgc ttccagtcca tcagccagcg cccgaagtct 120

tcggagtcgg gactttcttc gttccttaac ttcttctgcc 160

<210> 25118

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G5

<400> 25118

cgtcgccccg tcggaagcac caccagctac cagggatgac tggcgaggag gaggagaacg 60

ccgcggagct caagatcggc gaagagttcc tcaaggccaa gtgcctgatg aactgcgagg 120

tggcgatcat cctggagcac aagtacgagc agatccagca gcacgcgtcg tcggagtcgg 180

acccgtcgtc gcaggtgtcg cagggtgttcg agaagtcgct gcagtacgtg aagcgcttca 240

gccgctacaa gaacccccgac gccgtgcgcc aggtccgcga gacgctgagc cgctacggcc 300

tcgccgagtt cgagctctgc acgctcggca acctctgccc cgacaccagc ggcgaggcca 360

ccgcgctcgt cccctccctc aagtccggcg gcagggttcgt cggcgacccc ggggacgaga 420

agatcgagaa gatgctcaac ga 442

<210> 25119

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G6

<400> 25119

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ggtactatct taggttctcg gaatagtcac tgacagcaca atgcctatta tactagccag 120

tttcaatcat tccagactcc acatactagc ctactcagca gataacg 167

<210> 25120
 <211> 335
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G7

 <400> 25120

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 tgtgcgtgga ccgcctgggc cgtcgcgcgc tgttctgca gggcggcacg cagatgttcg 180
 tctcccagat cgtgggtgggc acagctcgat cgcgctccag atcggcacct gcatcgttgg 240
 cgagatgtcc cgctccaacg cctgtctgct ggtgctcttc atctgcctgt acgttgccag 300
 gttcgcttgg tactggagggc cgttgatctg gctcg 335

<210> 25121
 <211> 105
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G8

 <400> 25121

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 aaaaccattt ccttgaaacc taacgggcaa ttgaaaatga ccccc 105

<210> 25122
 <211> 278
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-G9

 <400> 25122

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 cgtggccgcc gacgcagcgc acgcgggacg cgggtggtgcg gcgcctcgtg gagacgctcg 120
 cgggggacac catcctctgc aagcgctacg gcgcctgcc ggccgccgac gccgagcccc 180
 cggcgcgcgc catcgaggcc gaggccttcg acgcctgggc cgccgcggga ggccgccgcc 240

ccttcgtgga ggaggggatc gaggcgctgc agtcctac

278

<210> 25123
<211> 419
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-H1

<400> 25123

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acgttgccgg agcagtgcgg gagacgacat caggagtgcg gaaggaggag gggaatcaac 180
cactgcattg gtgtagattg gcgggcaacc tgtccgggct gccatcgtcg gacggcgacc 240
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ggacgcgaca gccatcgagc gcanggtgga gataatggtg ttctcgaaga tctcgcgtc 360
gcgcagcaca catagttaat ctaatctcgg gacacgcgga ccgttcgagc ccaagggcc 419

<210> 25124
<211> 452
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-H10

<400> 25124

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cgtcggcgtt ttccttctct ccgnetacca ggagtttaac gaatttggcg ctgatggtgg 180
gccagcagct aaggcccttc agcccaagtt caatgtgttt gtaaaaaata tctctgcgca 240
tctgggagta gttgtgccgc acattgagtt gaagcatgtg attgctgcta caattgctct 300
taagggaactt ggaagtctcc tttttatttt gagcagctcc ctccgtgctt atctcctgct 360
gctgtacctc gctctgatca cntctatcgt tcacgacttc tacaactacg acacggagaa 420
ggaagaaatc gcgcggctgt ttgcgaagtt ca 452

[illegible]

<400> 25125

<210>	25126
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<212>	DNA
<213>	Zea mays

<400> 25126

<210>	25127
<211>	463
<212>	DNA
<213>	Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-H2

<400> 25127

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cgtccatgaa catcatccgg cacacacaat ttcgacagca aggctgacaa agaaactgct  180
gctactaccg cgtctgacga tgagcataac tgtatcaaca ccatacctt cgacacatac  240
tgaccactcg acatgatcgc caacaagccc aacgaacaag tcttgaacgc acaagctacg  300
ccggcgacta aactgacac atattaccac aaaccaaacg gtcaataaca atctgaaact  360
gacacaggca acgtgctga ctatgaacaa gccgacagat accatgcagc tctaattcct  420
gaccacacac cctatgaatt tcccataaat atgtggaagc tct                               463

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<210> 25128

<211> 295

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F9

<400> 25128

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gatgtatcag tgattcagga tcaccggccg tcgagcgagc agtctcccaa ttccacccaa  180
taactaataa catctcctcg aacgccaggt tccttggacc actatatcca ggagcgacga  240
agtgatccac ccgccagcca tggagatgaa gaaggtcctc tgcgccgcc tcgtc       295

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<210> 25129

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E6

<400> 25129

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gaagtaggca ctataggcac taggaagtag ctaaagcagt cataaccatg ggttcgctgc  120

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cgccggtgga cgggcagaga cgccccccac acgttgtgat gatcccgtag ccggcgagcagg 180
gccacatcac gccgatgctg cagtttgcca agctcctcca tactcgcggc ttccacgtca 240
ccttcgtcaa caacgagttc aatcatcgac gccacctgcy tgcgcgaggg cccaacgcgc 300
tcgacggcac ggatggggtt cgcttcgccg ccacgcagca cggctctccg ctctttgaag 360
cggacgccac ccaggacatc cccgcgctct gccactccac cttgaccacc tgcctgcccc 420
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<210> 25130

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E7

<400> 25130

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tgtgcgtgga ccgcctgggc cggcgcgcg cgttctgca gggcggcacg cagatgttcg 180
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tccggtcggc ggggcagagc atcgccgtgt gcgtcaacat gctgctcacc ttcacatcg 420
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<210> 25131

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E8

<400> 25131

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ctgcatgtca tcaacatcaa tgaacagaca tgtttctcat gctcagagct ctggatcacg 180

gaatcaagag ttgcctcaaa accaagtccc aggaactatg gatgagagta gcagaaatga 240
 cagtattggt gaaagtgctc gagagcatat tacaaggaaa aatgctgcac ttgctggaag 300
 ctatcatttt gttaatggat ttgcaagctc aagctcatct tctcatgcac ctcacaatcc 360
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 caacccatca gaatatcatg gacac 445

<210> 25132
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E9

<400> 25132

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 cagaggcaaa gaagaagaga gtcgccgccg ccgccgccga ggagaagaag gtgcaggaca 180
 acttctgctc gacgctgtgc gagggcagga aggggatgga cctggtggtg tgcaaggagt 240
 cctgcgacct ctcacagcgc tccaacctgg tgctgtacgg ccggatccag tgcaagggca 300
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 acaaggacta cgtggtc 377

<210> 25133
 <211> 444
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F1

<400> 25133

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 ctacctact atagagaaaa agtcagcaca ttgcaagcaa taataatgga gacgacgacg 180
 aagctccggt ggagccggcc cggctccttc ctctcgtcg ccgcggcggt cctggcgctcc 240

gacgtcgcgt cagggcgtcaa cgtcggccag ttcgacgacc acttgcagaa gcggaaggag 300
 ctgcccagg cgtcagcgag ggaggcgtac agggcccgacc cgtacaacgt caccaacagc 360
 ttcaacgccg acgtccacag agctgtcagc agcaatcggc gtgagatgcg ggagaggccg 420
 aagaagcaca agaagaaggg cccg 444

<210> 25134

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F10

<400> 25134

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 ggtactcggc tccgtgcccc ctgtgacaca agatgacagg agattggggc ccgccgccgt 120
 ccaagatgca gctgccacct ctaggttgca ggagttcccg cctggagggtg gtaatggcgg 180
 agggatatcg ccaccagggtg gccctgcaga tggagatgcc gatatccacg cagactggaa 240
 aggatacttc aatgctgcat cttatgctcc atacttcaat gttgatactg atgtttagt 300
 tgacaggctc attagctcag tgtatccaat ggatggctat tacaggataa ttgatgctaa 360
 tgctgacatg tatggctctg tgtggatcac cactactctg atcttcatgc 410

<210> 25135

<211> 447

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-F11

<400> 25135

aaagaattcc ctcccctagc cgccgccgcc gctcgtctcc ctgagagggtg ccgggaccga 60
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 cgtctgggtg tgggtgaaggg gagaaattcg tgagatctgt tccggatcag gcgtgcgagc 180
 tcgggaatca ggggtttcac acatagcttc gtcgatttga atttgatgta ctaatggagt 240
 ctaagggtg caaaaagtct agcagtagtc gttctatgat gtatgaagct ccccttggct 300
 tcagcattga tgacgttcga cctgccggaa gcctgaagaa attccagtct tgtgcttact 360

ccaactgcgc gaagaaacca tcctgatata ccttttggct tectcattct agtagtttag 420
gatntctttt ctgacacttt gattctg 447

<210> 25136
<211> 321
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-055-Q1-K1-F12
<400> 25136

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ggttctgggt ccacatgcat gcatacttc aatattactc gcatcagatg catgcatgct 120
tcatatatca atgattaagg ttaaacttc atcaaaccat cactctatca attgtaccca 180
actactaatt acatcttctc acacataact ttccttatac caatatcttc tactactaca 240
aactaatcct ccctacaacc atagatatta acaatgtatt atgtactaat ctggtcttag 300
ctacaatcat tcacgacctt a 321

<210> 25137
<211> 394
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-F2
<400> 25137

catgcagccc ggctgcagcc cctgtcgcc ggccatccag gaggatgacc accagccttg 60
gggtggggga agcaagtcgg gctgcggcct ctctcccacc ctcagcttca aggatgttca 120
tcatcctcgc tggggcgga ggtgcgtcga gccgggggttc tgctctccgc gtgggccagc 180
ggcccgttcc ttctccagc attcgcggga ggagaggggt tcaccagcca tgcaaaggag 240
gcgaacttca gctacgcggg gccggccagg tgcaggcgct gacagctgcc gcgtgcctgg 300
ctcttggcct aggtggcctt gccgacgnet ccgacactgc ctactgccgc taggtctgng 360
cgtggttgtc tgtccaccat acgagcgaca gtcg 394

<210> 25138

<211> 451
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F3

 <400> 25138

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 agacagggga aaatttgccc aaaaaaggac tagaataaca gctccgatcc gaccatgtcg 120
 tcgtcggcgt tcggcgactt cggtccgctc accgagcgcc gccgcgccga aaaggcgcg 180
 cagcagcgca ggcgcatcat gatcgccgcc gggactatct ccatcatcat catactcatc 240
 gccatgggca gcgccgcggt catgtacagc gggaagaagt cgtccagcga cggtgggcac 300
 aagtctgctt ccaaaggcaa gtcgagcggc gggtcagact cggactcggg agcggaagcg 360
 gaagcggaat cggaagcgga atcggaatcg gggtcggaat cgaagacgaa tctgaaggcc 420
 gtgtncaga gcantcaagc gatgtgctcg c 451

<210> 25139
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-F4

 <400> 25139

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 gcgncgtcac cgttcagctc caacacggcg caccaccccg tctccgtgcc caccacacct 120
 aggttgctct tategtgctc gtcgttcggc cacatggtga ccccgcccac cgacacaccg 180
 tcgatcacgc ccaccaagaa gcaggacgac aagccgaagc cgacgccgga ggccgccacc 240
 gcggcgaact acgcgtcggt gtggtcgccc aagcgctca tgcagcgcg tgcccgcgct 300
 ttccgcgca gcaggtcgcg cgcccgctc aggacggtca aggacctcgc cgaggaacgg 360
 gcctcagtgc tcgccgccag cagcaaggtc tctgatg 397

<210> 25140
 <211> 449
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-F5

<400> 25140

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gcggcggtcc cgcagcagca gcagctgggg agcaccgctt cgttccactc gacacccatt 180

ctgcagcgga agcacaagac ccagtggcac aacagattca actattatac gagacgtagg 240

aggaaccgag aaactaaaag gtcaatgcta cggaacatgt cagaatatgc agagtctctc 300

tttcagagtt ggcgtgatga agatgagaaa aatgctgcat ctgctgggcc ttcattgggtt 360

agaggacatc gttgggtcag aaattcaagc aacaatggtt tccgtacaca cgattttttat 420

taccggaatt tcanaagcaa aggaggatt 449

<210> 25141

<211> 399

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-F6

<400> 25141

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gggtcgacgc cggaggggca gtggctgaac accgtggtgg accgggacct gcggggcgag 180

gaggaggagg acacggagga gatggtgaag ctgatcaggg tcggcatggc gtgctgcgag 240

agcaacgtgg acaaccggtg ggagctcaag accgccatcg agaggatcga ggagctcaag 300

gcgaaggagc gcnccgacga ggagcaagcg acggtgatcg acgatgacta cagcgatgtt 360

gccttcaact gatcatcgac acgaaccggc cgggaatcg 399

<210> 25142

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F7

<400> 25142

cggacgcgtg ggcggacgcg tgggcggacg cgtgggtgac cttcgtggac actccaggag 60
gtgtatcagg ggagaagcag cggacgcagc gcagctacga tttcaccgga gtcacgtcgt 120
ggtttgcggc caagtgcgac ctcatecttc tctgtttga tccgcataag ctggacatca 180
gcgatgagtt caagcgtgtg atcgggtctc tccgcgggca tgatgacaag atacgcatag 240
ttctcaacaa ggccgaccaa gttgatgcac agcagctgat gagagtgtac ggagcactgc 300
tgtggtcgct cgggaaagtc ctgaacacac cagaagtcac gcgtgtctac ataggttcat 360
tcaacgacaa gccgatcagg gagacagcgg ctgggcgctt gggcatggag ctgttccaga 420
aggaacaaga tgacttgctc tcg 443

<210> 25143

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-F8

<400> 25143

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gcggagcgcg ccgccccgtt gaggcgcgcg atgtctctct ccgtccacga cgacgcctat 120
gagacggcca agtgggagaa gatcacctac gccgggatcg tgacctgcac cctgctggcg 180
gcgtacaacc tgtccaaggg ccacccccac ttcgatgagc cgacggcgta cccctatctt 240
cacatccgca acaaggagtt cccatggggc cctgatggct tgtttgagac gaaggaccac 300
cactgagccc tgattagcac accttcaaga gctggtgcac gcttaaaaga gttatatgga 360
tgtttcagtg attctacttt tccctcgaga cctatttgct gcaacatgaa ataagaatga 420
ccagactctg gtatcgacag tgaggttcta actgtgttag ctg 463

<210> 25144

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E5

<400> 25144

cccacgcgtc cgcggaacgcg tgggctgacg cgtgggcctg aacaaccggc aggtgtgcgc 60

gctcactctg ctcaactcca agttcttcca catgaacatg taccggtgca aggacatgct 120

gatcaaggac atgaccgtga cggcgcccgg cgacagcccc aacacggatg gcatccacat 180

gggcgactca tccggtatca cgatcaccaa caccgtcatt ggcgtctgtg acgactgcat 240

ctccatcggc cctgggacct acaaggtgaa catcaccggc gtgacctgca gtcctggcca 300

cggcatcagc atcggcagcc tacggcggta caaggacgag aaggacgtca cggacatcaa 360

cgtaacgat tgcactctta agaagacgat gttcggcgtc cgcataaagg cgtac 415

<210> 25145

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D12

<400> 25145

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gatctggtgc tcatgttgct cacaattaat gccatgcaca tcgagacgag gtcgctcgac 120

gtcatgacat ccagggtgcg catggctgat caagttatgc atcttaatga gaagaagatg 180

ttccctactg atcacgacaa aggcaacaat gtatgggtcc ttgacacacg ggctagcaat 240

cacatgaaag ggagtctcga ggcgctcgcg ccaactcaaca tatctgtgcg cgacacaatg 300

cgtattggcg atggatcaact cgttgagatt gacggtattg gctatatgat gctctagacc 360

aagacataga gctataaaga gctcgttgaa gtctacttta 400

<210> 25146

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-D3

<400> 25146

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atgggcgaag tcgtttcgat ggtgctaggg gtgtctcttt gcgcattttg gggataaact 120

cttgaagcag tatgttgacg ctgaccctgc aatcaaggac gaggtgggtcg acagctccct 180
 tgaattcctc atccttgcta gtgatggact ctgcatgtt gtcactaatg aggaagctgt 240
 tgccatggtc aagcctattc aggaccccca ggaagcagca aacaagcttg tcgaagaagc 300
 gtcccgaagg ggaagctctg ataacatcac cgttgtcatc gtacgcttgc tatatggaac 360
 taccggtgat aaatcacgcg cagacaaaga gaccaccaat gaccaaaact cctaattacc 420
 tactgtatgg atccctcatg cgtgtgaagt cttctggct 459

<210> 25147
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D4

<400> 25147

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 ggacaggccg cacatgctca ccgctgtcat gacctcgctc acctcgactt gcacctcgac 120
 tcggcccttg acgtcgccct tcacgcccac ggggaggctc acagctgctg cgccagctgg 180
 tgcagcgcg agcgcaactgg tcaggtgtct gcttctctgc ctgcacatcc tctgctcat 240
 ccttctctc atctttcact ccttcttcta gactctctcc atgatcccg acatctctc 300
 ggactacttc ctatccgact tgggtctacg tggagcgctc ttctgtgcgc tctctctatt 360
 cctgtggctg tttctgtttc ggcttgctt tgcgctgccg ctgccgctcg cgctccga 418

<210> 25148
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-D5

<400> 25148

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 gtgttgacgc ttacgtctgc ttcggcgctca tgattggtgc tgctaagtgc tccccgtacg 120
 atatgcagac gtacaacctg atagacacgc agagctggca cacgatccac gtgtacccgg 180

ccgacatgga cgtggagtca tactgacatc acgacatacg ctggcatgtg ataggcagac 240
 agttccaaca tcctgggagc ggcactacca tgcgtgagcg acctctacat gagcctttct 300
 gctagcctgc accgattact actactagga gttcctgatg gctcgactac tgattacagg 360
 tgcctcanag acggctgggt tctgctgcac gagtactac ggaggcacac gctaaaacga 420
 cgaacgac 428

<210> 25149
 <211> 454
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D6

<400> 25149

tttttctcca gtcttgcggt cgccgggtcc ttgtgctagg atggccgagt gcagggcggtg 60
 gtggggaaat catgggagaa ggagaaagtc gctgggggtcg tgcaagcgct gatggtggcg 120
 tgggtgttctt ggagagtgc catgatgcct catcagattg cgtcgcatgt cttctgcgtc 180
 tagtcgagca aaaagggaaat ggctggtgag catgcagttc ttcgcaaag cagacgcac 240
 aacactgaac cgctgctcgt cgcgagcagc gctgttggtcg cccatgcttt tggtaagaa 300
 catgtaccac aggatgaggc gcttgaggga tgctgcgatg tggtcgtgag aggtctaggt 360
 cgtcgtctcc cagtcaactt tgggttgctg gaccgttgct tctttataat gtaattattt 420
 atttattttg gatagaactc ctgttatgta gtaa 454

<210> 25150
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D7

<400> 25150

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 tgatctttga gagaggagat ttggtcttcg tgttcaactt cactggagc aatagctatt 120
 ttgactatcg cggttggttg ttcaagcctg ggaagtacaa gattgtttta gattctgacg 180
 atggcctttt cggtggattt agtcggcttg atcatgacgc tgagtacttc actgctgact 240

ggccgcatga caacaggccg tgttctttct cggctctatgc acccagcaga acagccgtcg 300
tatatgcacc tgcaggtgca gaggacgaat agggcacagc agcggttggt ggggaagaac 360
ttcagaggga tgtactgctg gtggactgac accactgccca cgcgcgatgc tgccagatgt 420
tgccctcgag accacgtggc 440

<210> 25151
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D8

<400> 25151

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gaccgaggat ttggccgagt tctaggtaga gaatcggttt tacttgtctc agcccgggggt 120
ctgctgcgtc tgggtggtggt gaaggggaga aattcgtgag atctgttccg gatcaggcgt 180
gcgagctcgg gaatcagggg ttccacacat agcttcgtcg atttgaattt gatgtactaa 240
tggagtctaa ggggtggcaaa aagtctagca gtagtcgttc tatgatgtat gaagctcccc 300
ttggctacag cattgaggac gttcgacctg ccggaggcgt gaagaagttc cagtctgctg 360
cttactccaa ctgcgcgaag aagccatcct gatatccctt ttggcttcct cattctagta 420
gtttaggatt tcttttctga cactttgatt ctga 454

<210> 25152
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D9

<400> 25152

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gggttcttga agttggtctg accaactatg cagctgccta ctgcactggc cttctgttgg 120
ctcgccgtgt gctcaagacc cgtggttttag ataaggaata tgagggcaat gttgaggcca 180
ctggtgagga tttctctgtt gagccagctg atgagaggag gcctttccgt gctctcttgg 240
atgttggcct tattaggact acaactggga accgtgtcct tgggtggcctt caagggagct 300

ctggatggtg gcctggatat tcctcacagc gagaagaggt ttgctggttt caagaaggat 360
gacaagcagc tggatgctga tatccatcgc aagtacatct atggtggcca tgttgctgac 420
tacatg 426

<210> 25153
<211> 370
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-E1

<400> 25153

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ggtaatgctt tcgatcgaat taggcgcctt cttcgtccca cgctccgtct ttatttgtaa 120
tctgaagctt acaggaacat ttgagtggat catggacgga ttggtaggcc tcttgaaagt 180
ccgggtggtg aggggcatca accttgcta ccgcgacgca agaggcagcg atccgtatgt 240
cgtcctacga cttggcaaga agaaacttaa gacgagcgtg aagaagagat ctgtgaaccc 300
catctggcac gaggagctaa ctctgaccgt cacagatccc agcctagctc tgaagctgga 360
ggtgttcgac 370

<210> 25154
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E10

<400> 25154

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gtgatatgtc atctgtttcg aaggaaacaa aatcccaacc ccttgcgag aaaaagtcta 120
caggcaagaa atcagcaggt ccagcatctg ctgtcagtgg ctctgtttct acagttgatg 180
ctttcgtatg agaagcttct ttcgtctatt ccggaattcg ctgattttgg aaagcttttt 240
aagtcacatctg tacctgtaga attgactgaa gctgagaccg aatactcagt gaatgttgty 300
aagcatatctt ttgatcgaca tggtgtgctc caatacaact gtaccaatac aattcctgaa 360
caattgcttg aacaggttat tggtttgggt gatgcttctg aggctgacga attttttagaa 420

<210> 25155
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-E11

 <400> 25155

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 tgagggatct atatgtggag cggatgcgct tcgaagctat gaaatgcatg tctaggtcat 120
 atcgcccaac tgtacctgtg ggatatgttg cacagatttt ggggttcattg agaactgata 180
 caggctgtgc aaccaatggg gatgatggat tagaagaatg cgaaaaatgg ttgaaagcgc 240
 atgggatagt tctttcagaa ggtaacagtg gggaatcaca aatagacatg aatgcttcgt 300
 cttctacact ttacatgcca tatccagata atgcggttgc acatggtgat gcactacttg 360
 ctgttgatga ctctttggca cggactgact gacatcttaa aaggt 405

<210> 25156
 <211> 409
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-E12

 <400> 25156

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 ggtctacggt cgctaataag cagccgcac cagggatgga gatgaagaag atcgcttgcg 120
 ccgtcctcat cgcgcctcg gccaccgtgg cgctggccgc ggaggcgccg gctccgtctc 180
 ccaccagcgg ctctcccgcg gtcgcacccg ccacgtcgg ggccgccgtg gcctccttct 240
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 ggtgggggga gagacttggc tgcgctgcgc tgctctgctg ctaccgcgca ttcccgatgc 360
 gtgggcgtgc tctgattgcg cacggcgggtg gcagtggcac accttcgtc 409

<210> 25157
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E2

<400> 25157

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gcggccgtga acattaagca gccgctgcac ggcgcacga cgctgttcgc gctgctctct 120
ctctcgctgc tctgtctccg cctgtctctc cgcctccgcc tggccgcctt ccgcgacgcg 180
gcgctgtcgc tccacctgct ggcgcgccta cgcctacgcc ccgtctctct ctgcctcccc 240
gcagcctgcc acgacggcgg cgccggcgcc ggcgccacca cgctgcgcgt ctggtgcccc 300
gccaccccat cctccaagcc gccgctgctc ctctacacg gcttctgcgg ggacgccaaag 360
tggacgtggg cgccgcaacc tccgcgcctg tcccgccact tccacgtgta cgcgccggac 420
ctcgtgttct tcggcgcgca gtcc 444

<210> 25158

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-E3

<400> 25158

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cgtcctggcc ttattgttag ctgctaagat atgcagcaag gagcgccatc ttgcctctga 120
gggtgtcgaa tacgcaagaa gagtaatcgc ctgtgccgaa tcatcggatc ctcatctgaa 180
gagcgtcggc ctccatttct tggggagctg tctaggcaac aagtccaagg tcgtttcgtc 240
ggactaccaa agatctctgc tgcagacgga gactctcaag tcgcttgag agtcgattgg 300
ccttaaccgc tacaacgccg acctcatatt cgacatggga gttgagtacg ccgagcaaag 360
gaacatgaat gccgccttga gatgcgcaa ggagttcatc gaggcaacgg gcgggtcggg 420
ttcgaaagga t 431

<210> 25159

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-055-Q1-K1-E4

<400> 25159

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tntgatctg annctggca ccagtccac tttgcgcgca tgggaggagg gactnctga 120
gccgccaagc cccaatctca ctggcaaagt tcggcggtag tgccagaagc tcgcctggcg 180
agcctcactc nnaccatcgt aggagaatct gnntcgtcga ctctcgccgt aaagcccgt 240
cgagaatnct cgcactctncg tgggtctgtct gctactctca cgttctgtcc actactctng 300
atatcactcn nttctggaaa gggctaagag ggtggcaccg nnngtgttt 349

<210> 25160

<211> 361

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-D10

<400> 25160

cggacgcgtg ggcggacgcg tggggacgac gaccacctcg ccgtcgccca tgctcgtcgt 60
gggggactgc tccgacgcca tcgtctctca cagcaagcga cggcgccacc ggtcgccgtc 120
cgccgcttca tctctctct cgcacagcag cagcaccaca cagaaagagg aactggaaga 180
cgaggaggag gacatggcca aatgcctcat cctctctgcc caggggcccc cgcattga 240
ggcagctaga gtaatgccg caccctctag caggccaaag agcacggtga gccgcaggtt 300
cttggccgcc gtcgaggcca gaggtggtgt gtgcgtgtcg tacgaatgca agacgtgcaa 360
c 361

<210> 25161

<211> 93

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B4

<400> 25161

gacgcgcact gtaacagcgc attaagcgt gccactgtgt tctatacgcg tctcgagacc 60
aatgctcttg tcagcaccat agtttatgat tct 93

<210> 25162
<211> 176
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B6

<400> 25162

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tgaggcactt attatataac gtcgtcaatc catttcttaa ctcttctctt ttaaacaaca 120
gcgaagtctc actataacta tatattcaga tgactaatac tcagaacgat gatgac 176

<210> 25163
<211> 411
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-B7

<400> 25163

cgagaggaga accagcagcc tccaataaga gccagccaga gaaactaata aaactgtcgc 60
ggccgccatc cgagcgaaca agccaaccga ccccgcccc aaggcaatcc gccgccgacg 120
taccaccacc accgcaggag cgagatggag atgaagagga tcctcttcgc cgtcctcgtc 180
gtcatcgccg cctcggccac cgcagtgtg gcctccaccg aggccgccgc cgcgggcgcc 240
ccaactgcct ccgagtcgtc cgccgaggct cccgctggcg ctggcgctgg cgctgccgct 300
ggcgccgncg nctcggggcc cttcgccagc agcggcgcg ncgccctcgc cggcgcgccc 360
gccgcgtctt tcttctctt ccttgctact acctactaa gcgtgtgcgt g 411

<210> 25164
<211> 420
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-B8

<400> 25164

gcaatcgaga ggagaaccag cagcctccaa taagagccag ccagagaaac taatagaact 60

gtcgccgccc ccatccgagc gaacaagcca accgaccccg tccccaaggc aatccgcccg 120
cgacgtacca ccaccaccgc aggagcgaga tggagatgaa gaggatcctc ttcgccgtcc 180
tcgtcgtcat cgccgcctcg gccaccgcag tgctggcctc caccgaggcc gccgcccgcg 240
gcgccccaac tgctccgag tcgtccgccc aggctcccgc tggcgctggc gctggcgctg 300
ccgctggcgc cgnccgctcg gggccctccg ccagcagcgg cgcccccgc ctcgcccgcg 360
cgcccgcgcg gctcctcttc tccctcctcg cctactacct ncactaagcg tgtgcgtgcg 420

<210> 25165
<211> 397
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-B9

<400> 25165

gaagagggtt cggttaccga ccatgtcgca gcagccggcg cggcgcccg cgccgccata 60
ggggccgtat aggaggtga gggaggcgac gcccatagc cggcgatct cctgcgtgcg 120
gttctcccc tgccggcgcc tctcgcgac agcctccctc gacggaacgg tagcgctgct 180
ctccccgtcc tcaactggcg taatcgccgt cctgcgcggc cactctgacg gcgtgtccga 240
cctgtcctgg tccaaggagt cgttctacct ctgctccgc tccgacgacc gcaccatccg 300
catctgggac atccggcccg tctcgcggcg tggcgcccag gcagccgtcg tctccggcgc 360
agaccgctgc gtncgcgtgc tcaaggggca caccaac 397

<210> 25166
<211> 91
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C1

<400> 25166

caacataaaa ctaataaaact gtcacgatca ctttcaacta acaccaacc aacacctccc 60
aactcaatcc aaaactacat accaccacca c 91

<210> 25167
<211> 374

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-C10

 <400> 25167

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cggacgcgtg ggcggacgcg tgggctgacg cgtgggctga cgcgtggggc aaacagcagt   60
ggattgttca cgctcacgag aaanaagggt ntgcgtgtga tggaagcgag ctggtgcttg  120
cgtatgccag caagctgcga ttctgagtgt aacacataag gatgttcttt cattcttctt  180
ttttgttccc ttgttgcata aaattgtgcc ttaaccacgt cgatgtgctg ccaaattgtc  240
aatccctgat acggtcaatc atggatggac cgactgcaat ataaatatat tataccacan  300
aatagcgcga cctttgctac gaaaaaaaaa agcatcngnt acgacatcga atacaccgtc  360
tgcgccctca aagt                                                         374
  
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<210> 25168
 <211> 390
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-C11

 <400> 25168

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cccacgcgtc cgggaggcct gtccaccacc gaaccaccac caccgcgcgc gccgagctca   60
cgccgatcca gatccaccag tegtccctcc ggtctgcgac gggcgccctc ctccctcgctc  120
tcacgcgcct ccggaagcca gtgcctgcgc agtgaagcat ccatctgcct ctccctctcgt  180
cggatccggg gccggccagg cggcggcagc atgaagcggg tgcgctcgca cgtctccctc  240
gcctccgagg cggagatcaa cctcgatctg tcgcgcctca tcacgcacaa gccaggttc  300
acgctggagc ggaagcgctc cttcgacgaa ccagtcgtgg agcgagctct ctcaccgnca  360
gaacgacggc ttcgacagcg tgctgcagtc                                                         390
  
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<210> 25169
 <211> 306
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C12

<400> 25169
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 ggcggactca aagtcaccag ccgtcatgtc cgttccagca acggcggcgt tacttctggt 120
 actcacgtca ccttccgaat gcacgtgcct gcccacggaa gatatcgta gggactagta 180
 tctctgatca ccggccagtc aggccgccgc agctacaagc acgtgtcgct cgactgctac 240
 gtcattgtccg atgtctgaggt acacatgcat gtgtagtgct tcatcgtcta catgcgcacg 300
 ttcacg 306

<210> 25170
 <211> 92
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C2

<400> 25170
 cggacgcgtg ggctcacgct ggggttgcat gcagggaatg cttgcattca tttttcattt 60
 agttaagaat tcattgaaat tatgagttat at 92

<210> 25171
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-C3

<400> 25171
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 gggaaatcac cgacctgggt cctagcagca tgaagatcaa ggtgggtgct cctccagaaa 120
 ggaagtacag tgtctggatt ggaggatcca tcttggcatc gctcagcacc ttccagcaca 180
 tgtggattgc caatgctgag tacgacaagt ctggcccatc catcgtgcac aggaaatgct 240
 tataattctt tgggcccgaag agatgcaaag ccgagaagat ccattatcgg cagcctggcg 300
 cccagtgact gtcttcttta gcagctgccc attcattatc atgaacaaaag ctctctgtcg 360
 gtctatccgc tga 373

<210> 25172
 <211> 512
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C4

 <400> 25172

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 ttcattccttg acaagtagtt gtacttatga ctacttattt cagttgcggc aagagaaata 120
 ctctggcgcc ataaatgctc ctgaagactt tgcactgtcc tgctgacact cgtcagatat 180
 gtttagcatgt ggagaggacc ttggccttat ccctgcttgt gttcaccctg ttatgcaaga 240
 actagtgttg attggattgc gtatccaaag aatgcctagt gaaccaaact tggaaatttg 300
 tattccttct cagaatagct atatgacagt ttgcgtcccc tcatgtcatg actgctctac 360
 attacgtgct tgggtgggaag aagattaagg aagaagaagt cgtttctaca agactgtaga 420
 tggcactgat gaagagccct catctcgttg caccacagaa gtagtgact tcattgttca 480
 gcaacatgtt gacgtccat caatgtgggc aa 512

<210> 25173
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C5

 <400> 25173

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 gctgggtcctg tcgtacggcc agctgacggg cccgatcccg cgcgacgacg cgcgcgacga 120
 gatcaacacc gtggacctct cccacaacaa gctgacgggc gacccctccc acctgttcgc 180
 cgccggccgg cccatcgga aggtggacct gtcgtggaac tacctcgact tcgacctgag 240
 ccagctggtg ttcccggcgg agatgacgta cctggacctg tcccacaacc tcatccgggg 300
 caccgtgccg ctgtcgtgag agcggctgtc cacgctgcag aagctggacc tgagctacaa 360
 ccgcctgtgc gggccgctcc ccaagggaca cggcgtcatc aagcacgggt gcaagccgta 420
 cgcgcacaa cagtgccgca aagggacccc 450

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C8

 <400> 25176

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 tgaccaaaga gctacaagct gggctcgagc atgtaagggg cctccaagtg gaaattggga 120
 ggacagttct gaagctcaga gacaatattg aactatccat tgggagaagc agtcgagcac 180
 atcagaactt cagatatcta tcagggaagg ccggggtacc tcaacgaact tccttatttg 240
 gttctaggac gaaaaagaca tcattatddd catgtatgcc tcccattgcc aaagccgatt 300
 tctgacatga ggtcaagtct ttttagataa cattgggttag aggggttagct aattttttct 360
 tctattcgat atgggtgggt ctctatgaac atgcttaaaa aaattgatgc aaggt 415

<210> 25177
 <211> 308
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-B3

 <400> 25177

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 gactcgcata caatttacia tttatagcat aatcacaact tatatcatac aaatacacia 120
 aaacacactt gactaactat ataatccatt tcgacactat tataatctaca catgtgttac 180
 ttgcactact tttatcaata ctactcattg gctataacat actcacattg acgagagcta 240
 tgataatatt aacactatat tctattgcac tatttccacc aatattctaa taatgatgac 300
 cactttat 308

<210> 25178
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-055-Q1-K1-C9

 <400> 25178

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cgctctcttc ctctacgaga ctacgaccgt gtaaggatgg ccgtcgagcg cttgaagacc 120
 gggttcgagc agttcaaggc cgacgtctac gacaagaagc cggagctgtt cgagccactc 180
 aaggcgcacc agtcgccccaa gtacatggtg ttgcctgtct ccgactcccc cgtgtgcccc 240
 tcggtgaccc tgggcctgca ccccgggcag gcctttgccg tccgcaacat cgccagcatg 300
 gtgccgtcct acgacaagac caagtacgcc ggcgtcggct ccgccatcga gtacgccgtc 360
 tgcgccctca aagtggaggt catcgtggtc ata 393

<210> 25179

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A10

<400> 25179

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 gcgcaaccaa gccaagacg cttgaggggc aggccccagc tgaggccgcc gtctccacac 120
 ccaaggttgc gcccgaggcc actccaatct ccgttgaggt tgcggctgat gaacaggtag 180
 ctgagaaggt ggtggtggag gagccggctg cggcggccga cgttgagcat cagaaggcta 240
 atgaggtgct cgctccagag gcgcccgctc ccgagccccga ccacaaggag gaagaagccg 300
 tggagaagac cgtcgtcgag gaggagaagc cagcggcagc agcccatgca gaagaaaagg 360
 tcgccaccgt cgtcgagacc acgacgacgg tggaagcgaa aaagaacgcc gaggaggccg 420
 ggaaggagaa agctgcgcaa caaacctga tc 452

<210> 25180

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A11

<400> 25180

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 gcgacggcgc tgctgttctt gcaccaaagc aagccggagc cgctggtgca cggggacctg 120
 aagccggcca acatctgtct ggaccgcaac tacgtgagca agatcagcga cgtcgggctg 180

10930

gcacgcctgg tgccgccgtc ggtggcggac aacgtgacgc agtaccggct gacggcgacg 240
gcggggcacct tctgctacat cgacccggag taccagcaga cgggcaagct gggcgtcaag 300
tcggacatct actccctcgg cgtgctcctg ctgcaggtgg tcaccgcgcg gccacccatg 360
gggctcacgc atcacgtcga gaaggccatc gacgcgggca cctttgagca gatgctcgac 420
atcacctca aggactggcc cgtcga 446

<210> 25181
<211> 169
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A12

<400> 25181

gagatacctt aaggctccac gaaataaaat actcatggct cgcccgattt gtgatcaaaa 60
aggaaaaagg tacataatac tacaaaaaaaa aaaaacaaaa ccaataatac acaaataaac 120
taaaaccaa caacaatata gctaaaccaa aactacataa acaagatca 169

<210> 25182
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A2

<400> 25182

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tcagtggccg cgcgccgcac caagtgagct agctactctc taggcggagt gaagcgaagc 120
tagcttagct gcctcgagct tgagctgagc ttgctcactt ttctccctc ttcttctagt 180
accggcacac acaccgcagc tgcgaaaaag gaagctctct ctctctggtg gtgccggtgc 240
gccgtgcttg cttgcttgct tgcggctgca tccatggacg cctacgaagc caccaaggtg 300
gtgttctcgc ggatccaggc gctggacccg gaccacgccg tcaagatcat gggcttcctg 360
ctcatccagg accacggcga gaaagagatg atacg 395

<210> 25183
<211> 443

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-A3
 <400> 25183
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 gaggaggcag acaagcttct ctctcctgag tttcaacctt ccatagaaca gttgattcgc 120
 tacctccctg ctagttgact gattgatttg aagcttggaa aagaggggtgt tgagacagtg 180
 aactttctgt cgttcttcaa caaaagcata gaactgcgta aatcgtgttg aactattggc 240
 gaagaagatc acagagcttg gttattcttg cttctatatt catgcaaaga tgctacagga 300
 ccaccgcaat agagttttcc atgatttccg taatggagcg tgcaggaatc ttgtttgtac 360
 tgatcttttt acaaggggaa tagatattca agctgtgaat gttgttatca attttgattt 420
 cccaagaac tctgaaacat atc 443

<210> 25184
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-055-Q1-K1-A4
 <400> 25184
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 gggactgttc caccagagc agctcatctc gggcaaggaa gacgcagcta acaactttgc 120
 ccgtggccac tacactgtcg ggaaggagat tgtcgatcta tgccctggacc gtgtgcgcaa 180
 gcttgacagc aactgcactg ggctgcaggg attcttggtg ttcaatgctg ttgggtggtg 240
 gactggctct ggacttgggt cacttttatt ggagcgcctt tcagctgatt atggcaagaa 300
 atccaagctt ggattcacca tttatccttt ccacaagtg tcaacaactt gtggataacc 360
 ctacaacagt gtctctcca cacactcctt gcttgagcac actgatgttg cagtctcct 420
 ggacaacgag gctatctatg acatatg 447

<210> 25185
 <211> 434
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-055-Q1-K1-A5

<400> 25185

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gatgtacgca tcccccgga accgcttcgc ctgcggcatc gccgccttca acgggagaca 120
agaggacgcg gcggacgccg aggcacagag gacggtggct ctctgtggcca gggacccgcc 180
cacgagagag atgacggtgg atcagctgct cgtcaaggcc aaccagctgc atcatctcct 240
cgaccggttc atcgctgcc gccctgtagg cgcgccaag gcgaaccgag tgggtgggggt 300
ctctctgtac ccgctgatca aggagagcgt gcagctctac tgcgagctca cggaggtgac 360
ggccacgctc atcgagcagt tcgaggagat ggagaccgcg gactgcgagc gcgtgcacgc 420
nctcttctgc ggtc 434

<210> 25186
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A6

<400> 25186

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaacaataaa aaaaaaggaa 60
ggggtacact ttacaagctc gcaaccttat aactgttcta ttctgacccc atcaactcta 120
ctatcatgcg ccacctatct tcaacctact cctctgttaa ttacaactc cctcgcttca 180
aaacctttgt cctgcacaaa cttcttcgct ctgcagctca tccacctttc agcacatgct 240
ctattatcct tctgccctgc aactgacgat ctttctgaa ttcgaccttc cctactgtcg 300
cgcatcatgc acggtgaatg gggttattac tctccccggc aatgatactc tagccctctg 360
cctcttacct actcctcatc cttttaactt cccatctttc tacattc 407

<210> 25187
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A7

<400> 25187

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gcacgcgcat caagagtggc tgggatgagt atggaatcgc ctatggccgc gccatttctg 120
gcacaccgt gcggcggatc acaggctcct ccccgtttgc tggcttcgcg gtcggaagcg 180
agacatcagg tggcgtggag aacgtccttg cagagcactt gaacttcttc aactcagggt 240
ttgggatcca tgtcaagacc aacacaggca ggggcggctt catcaggaac atcactgtct 300
cggatgtgac gctggataac gtccggtacg gcctgcggat cgttggcgat gtcggcaatc 360
accccgacga cagctacaac cggagtgcgc tcccgatcgt cgacgccctt acggtaaaga 420
atgtccaggg ccagaacgtc 440

<210> 25188
<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A8

<400> 25188

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tgtgattaaa aaaaaaaaaa cagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg gccgcccttt 180
taaaagaacc aaacttaact acccctgcat tccaacaaaa aactttttaa aaagggaacc 240
caaatttaat ttaactgccc gcgtttttaa aacttagaaa ctggaaaacc cttgccatac 300
ccaattttaa ccccttggca aaaaatcccc ttttccaaac ttggcaaaat accaaaa 357

<210> 25189
<211> 292
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A9

<400> 25189

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gggactaagg gaactaatc tgcacaaaa caaattcaat tacattcata caccatatac 120

taaaacttat acaacatcct tccattctaa aacacccatt ttacaccag tcatttccta 180
 cttattctat ttataatcaa ctcatatata ttaacttaat taacaaaaac tttccaccgc 240
 tttaaatgat acaaccttac gtattcctac ctaatacccc ctaactctta ta 292

<210> 25190
 <211> 402
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B1

<400> 25190

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 atcagcccgt gtacccatgt ttaccgtctg caaaagacaa gataaaattt gcctctttta 180
 gcgtcagtat attaaggcct cagcactgca cattacgtgc tgcgatggag gaattttttg 240
 agaatttggt ttattttcttg tctgtgtcaa aatccacaaa tctgtcaata atgataggca 300
 agttcgactg acgtggctga cttggttggc caccgatgt tttcttacia cgagtcatga 360
 accataccgt nccatctttt ggtggaagaa tttactttgg gc 402

<210> 25191
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-055-Q1-K1-B10

<400> 25191

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 aggacggag tggcgcagag cagacgcccg tgaaccattg tagctgtccc tgtcgtcgtc 180
 atcgtcgtcg tcaacgaatc cgcacaagga aaagatggag aagaagccga ccatcctcat 240
 gaacaggtag gagctcgggc gcacgctcgg gcagggcacc ttcgccaagg tgtaccacgg 300
 ccggaacctc gcgtncggcg agagcgtggc catcaaagtc atcgacaagg agaaagtgat 360

gcgcgtcggc atgatcgacc agatcaagcg cgagatctcc gtcattgcg

408

<210> 25192

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B11

<400> 25192

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tgcataatata tattcctgcc aagataaagg taatggagtc gtcacgcagg ttccagccgg 120

ccgtcatcct gcttctcctg ctcatgtgt ccaccgatat ggcacaggca aggggaatgcg 180

agaagtacag tgagcgattt gttggggcat gcatgatcg agacaactgc gccaatgtgt 240

gccgcggtga gggcttcttg gccggcaggt gcagcacctt ccgccgccgc tgcattctgca 300

ctaggcagtg ctaaacaaga tcgctcgatc gtcgccatg catcgacaac ctattcttaa 360

taacgttcat tatctcgctt ttatttatga cgaatgtcat gtatgttctg gtgactgtca 420

tgtatattct gatgactgtc atgtatcttg g 451

<210> 25193

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B12

<400> 25193

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gggcgctccg tgcgagctgt cccaccccg caccgtcaag gccgccgtgg ccgagttcat 120

ctgcatgctc atcttcgtct tcgacggctc aggatcgggc atggccttca gtaagctcac 180

ggacggtggc gccgccactc ctgccggcct gatcgacgcg tctctggcgc acgccctagc 240

cctcttcgtg gccgtctccg tgggtgccaa catttaccgg cggccacgtg aaccctgccg 300

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<210> 25194

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B2

<400> 25194

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cggcgcacaa aaggagtccg tggctgacaa cgccgggatg ttggcaggcg gcatcaagga 120

cgtgccggcg aacgagaacg acctccagct ccaggagctc gcgcgcttcg ccgtcaatga 180

gcacaaccaa aaggccaatg ctcttctggg gttcgagaag cttgtgaagg ccaagacaca 240

agttgttgct ggcacgatgt actatctcac tattgaagtg aaggatggcg tagtcaagaa 300

gctttatgaa gctaaggtct gggagaagcc atgggagAAC ttcaagcagc tgcaggaatt 360

caagcctggt gaagaggggtg ctagcgcccta aagatcttgt cgtctcctgt gcaattt 417

<210> 25195

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-A1

<400> 25195

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tggttactgc caaggaatga gtgatttatg ctcaccaatg atagttctac taaaggatga 120

agcagatgcc ttttggtgct ttgagaaatt gatgcgtaga ttgcgaggaa atttcaaag 180

cacagatcaa tctgtgggag tatccaacca acttcaacat cttgcatcta ttattcaggt 240

tcttgaccca aagctacatg accacctaga aactcttggc ggaggtgact acctttttgc 300

gttccgaatg ttcattggtgc tatttaggcg tgaagtatca tttggagact ctttatacct 360

ctgggagatg atgtgggctc tagaatacga ccctgacatt ttcttcgcaa catgcgaaga 420

acaaggtgca atacataaa 439

<210> 25196

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G3

<400> 25196

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gtgggcttga agttgggtctg accaactatg cagctgccta ctgcactggc cttctgttgg 120

ctcgccgtgt gctcaagacc cgtgggttag ataaggaata tgagggcaat gttgaggcca 180

ctggtgagga tttctctgtt gagccagctg atgagaggag gcctttccgt gctctcttgg 240

atgttggcct tattaggact acaactggga accgtgtctt tggtgccctc aaggagagctt 300

tggatggtgg cctggatatt cctcacagcg agaagaggtt tgctggtttc aagaaggatg 360

acaagcagct ggat 374

<210> 25197
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G4

<400> 25197

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tctcgttatc tgcaactgca agcaaggaaa ttaattaaaa gaagatcggc gccatggcgg 120

caacgacgac gacgggggatg cagatgatgc acgtgcagca cgcgggcgggtg atgctgctgt 180

gctcggttgt cttggcgggcg tatactccgg tcgcgttga cactgccgc gactactgca 240

tggctgcatg caacgggtgg accatcagct gccagatctc ctgtgccagc gcatgctact 300

gagaagtcgg gatcacaacc ttatgtacgt cggctgtatt atgcaaagca gaagcgctg 360

catcagcacc tacagcagca ca 382

<210> 25198
 <211> 438
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-G5

<400> 25198

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gtctcgccgc cgccgcgatg tctcgccgct atgacagccg cacgacgatc ttctcgccgg 120

aggggcggtct ctaccaggtg gaggtagcga tggaggcgat cggcaacgcc gggtcagccc 180
 tcgggatcct agcgggcgac ggcgtgggtcc tcgtcggcga gaagaagggtg acctccaagc 240
 tcctccagac ctgcgctcc gccgagaaga tgtacaagat cgactccac ctggcggtgcg 300
 ccgtggccgg gatcatgtcc gacgccaaca tctcatcaa canccgccgc cttcacgcnc 360
 aacgctacgc gctctnctac caggaacca tncncgtcga gcagctcgtc cagtccctct 420
 gcgacaccaa gcaggggt 438

<210> 25199
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-G6
 <400> 25199

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 cctgatcgag ctccaggagga tcgaggcggc caaggagatc gcaagcgttc tgtcgcgcac 180
 gcccaacgtc tctacatcc ccgccggcga caatggccag atgctgctcg ggcttaacgc 240
 cgcccggctt cagaatttca ggacgagatg aaactgttct tgggtggggag gagggaaaagt 300
 tgtttctgta gagcttctag aagtgttgct aagagtctgg ttttgattaa tgaaatggct 360
 ggaagtctgt ttgtgctcaa tagagtgttt cttctgtgaa ataaaaactgg tctatgagat 420
 ggtgtggcca gctctt 436

<210> 25200
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-G7
 <400> 25200

cccacgcgtc cgcgcttctt ccgcagaaga acaaggagaa aaggaggaggg ttcgtcacga 60
 ggaggaggag gaggaggagg tgcgtcgttc caatcgaacc ccggcgacac atctagaggc 120

cggggtggat catcatcctc accaagacag aactccatcc cegttaaggt gttaaacatt 180
 aatcatggcc acaccgccag acggggcgcc cgctggacct gatgacacgt cgccgccgcc 240
 ttcttccaac tcgtcgacgc cgctccttc cgactcatcg acgccgtcac ccaagtcctc 300
 cggctcgggc tcgccgtcgc catcgccacc cgcaccgtcg ttgtcgccgn caccaccggc 360
 gtcgccgcaa gatagcacgg cgccagcg 388

<210> 25201
 <211> 469
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-G8

<400> 25201

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 ggccagctgc tcccccgagc tgctgggtgca gcagggtcaag gctgcgacca gcgccgccgg 120
 cgtgcagctc gccggcgaga acgcgctgga gcggtacgac gatgcggcgt tctcgcaggt 180
 ggtgtcgacg gcgcgcggcg caggcctggc cgcgttcacg tatctgcgca tgaacaagac 240
 gctcttcgac ggcgacaact gggggcggtt cgtgtccttc gtcagggcta tggccgacgg 300
 tggcgcgagg ccagcgtgc cgcggtgtga cacgngcac tcggacctgt acgtcggggt 360
 tgtcgacgcc gtcaaggaga ggaaggcggc ggaggccaag ggcgccggca ccaccgcagc 420
 attgtaggtg gtcgtcggtg gatgcccatg catgtgcttg cataatgca 469

<210> 25202
 <211> 269
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G9

<400> 25202

acggctgcgc tcacacatac tcctcattca atatattcca tcctctacat tatatgtcaa 60
 accaacagat gtcgttcate gaccacaagt gctaccctg ctcatacaac aacgtcaata 120
 agggcccttt caacaacatg agcgcgtgtt gcaacttacc catcttcaaa gactgtctaa 180
 gttgtatata ctgcttctag atcaactgct acaagccaac atactactct ctcaagcacc 240

ttctacatgt acattactta cataaacta

269

<210> 25203
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H10

<400> 25203

acgcgtggga tcctgaccct caagtacccc atctagcacg gaatcgtcag caactgggac 60
gacggggaga agatctggca tcacaccttc tacaacgagc tccgtgtggc tcccaggaa 120
caccctgtcc tcctcactga ggcgccccctg aaccctaaagg ctaaccgtga gaagatgacc 180
cagatcatgt tcgagacctt caacaccccc gctatgtacg tcgccatcca ggccgtcctg 240
tctctgtatg ccagtgggtcg taccacaggt atcgtgctcg actcgggaga tgggtgcagc 300
cacactgtcc ccatctacga gggatacgcc ctccccacg ccctccttcg tctcgacctg 360
gctggccgcg acctcaccga ctacctcatg aagat 395

<210> 25204
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H11

<400> 25204

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ggccggggcgg cgcgctggac acgaacatga tggggagaaa ggcgctcggc tgtgctcctc 120
ttctcctcct cttggccgccc gccgtcgtc cgcccgagct cagcgtcggg gcggcggctg 180
cctcggggcgc ggtcaccgga gccgacttcc ccgcgggggtt cgtcttcggc gtcggctcct 240
ccgcgtacca ggtcgaaggt gcagttgcag aggacggaag gaagcctagc atctgggaca 300
cattcacaca tgaaggctat tcccttgaca acgccacagg cgatgtaact gcggatcagt 360
atcataagta caaggacgac gtaaagcttc tgcagt 396

<210> 25205
<211> 299

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H12

<400> 25205

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 ggacacgaac atgatggggg gaaaggcgct cggctgtgct cctcttctcc tcctcttggc 120
 cgccgccgtc gctccggccg agctcaccgt cggggcgggc gttgcctagg gcgcggtcac 180
 ccgggccgac ttcccccccg gggttcgtctt cggcgtcggg tcctccgctg accagggtcga 240
 aggtgcaatt gcaaaggacg gaaggaaccc tagcatttgg gaccattca cacatgaag 299

<210> 25206
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H2

<400> 25206

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 caggcccagt cagactcaga gcctgcaggc tgcagcgtgt cggcgctccg tgctgctctg 120
 ccgcccctccg gcgcctgtgg cgggtgacgcg cacatacgtt ggagtagcta gctaggcaag 180
 cgagcgggtg tggtgggtcga gcacgtagca caaccagcca tgacgcgccg cgggacgctc 240
 ccgctggcgc tgctgctgct gctggcgggc acaaccaccg tgtccgggca gggccgaccc 300
 gtgacg 306

<210> 25207
 <211> 325
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H5

<400> 25207

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 ggcgaccgg tggaagacta cgaactgcca ccggaagcgt actcccatgc aggagcaagg 120
 tctccgggtc cgggaacgcc gacgggggag gccgtgaaga aggcggatga ggtggtgagc 180

accatgctgg ccaggggctt cgtgctgagc aaggacgcgc tgcggcgcg acagtccttc 240
gacggccggc accagcagct gctgtccacg gccacggcgc ggggtggcgtc gctggaccga 300
cgactggggc tcagcgacaa gttca 325

<210> 25208
<211> 390
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-H6
<400> 25208

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tctttttccc gaccccccta ctacgttcag taacgtggtc gtcgtcgctg ttaagtgcgg 120
cggcctaaaa catatgtaat ttgatgctgg tcgggtgtgt ctgtcagtcg atagactgga 180
cgcatgccga cttcatgcgg acctagcgcg tgtgcttctt ttcggtggtg cctcatgcgg 240
cgtggcacat gtcttgagac cgtgggatgg aacggctcgt tgagaggcac gcgtgtaggg 300
cagcctatat atatgattct ataacatgct aaatttgtgc ttctttatta ctatatatat 360
agccattcat cattcaattc actaggaaca 390

<210> 25209
<211> 407
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-H8
<400> 25209

ctcgcctgca ggagaactcc aggaagatca agggagtgt gaaccacatg gagcacgaag 60
tgtttgctgt tgcagctgtt atggctggcc tatcaatact cggattcttg ttctccgtac 120
tggggttgcg gtttcttgtc tccctactgg tgatcgctgc ttggatcctt ctcaccaata 180
ccatcatcag ttctgggtctt ttcctcctct tgcacaacgt ggtggcggac acgtgcgtcg 240
cgatgggcga ttgggtggcg caccgcagg cgcacacggc gctggacgac atcctcccg 300
gcgtggacgt ggccacggcg aacgagtcgc tgtaccggaa ccaggagggtg acgtcgcatc 360
tggtggcgct ggtgaacaac gtcgtcgtca acatctctaa ccggaac 407

<210> 25210
 <211> 312
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-H9

<400> 25210

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 cgcngagggc ctccattgtg atgcgatgcg aaggctgtgg acagaaaata ggaaaacggt 120
 ttgggatttg tctcgtctgt ccgctccgct cccctacat ttctttgctg tttagtacat 180
 aattctagat ttacagaaaa gacaaagttt actcttttct ggatcatatg ttttgtgcta 240
 cttattgctg ttctggccgc attgggccag catgcagtta ttcacgggtt caacctgaca 300
 agcgtggct gc 312

<210> 25211
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G2

<400> 25211

cccacgcgtc cgcccacgcg tccgaaacgc gtcgcatccg ctccacagga tcctctgcgc 60
 gaccggaacc gtgtgaccgc ccgtgccgcc ggcgatcccg atccgccgac ccgtcccagc 120
 cccgctcgca gccatgtcgc cgtcggagcc gacgcgggag gagagcgtgt acatggccaa 180
 gcttgccgag caggcggagc ggtacgagga gatggtcgag ttcattggagc gcgtcgcgcg 240
 ctacgcccgc gggcgccggc ggcggggagg agctctcggg ggaggagcgc aacctgctgt 300
 ccgtcgcta caagaacgtc atcggcgccc gcagggcctt cgggcggatc atctcctcca 360
 tcgag 365

<210> 25212
 <211> 384
 <212> DNA
 <213> Zea mays

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<223> Clone ID: LIB3066-054-Q1-K1-E9

<400> 25212

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tgatcagggtg tgggctactt catgattcag atcgctgcta gcatgaccaa gatttacatg 120
gtgcttcaac ttgtcaatgg gggcagaact gttcgactgg attaaaacat acaagatgca 180
aatatggagg aacaacaatc ttccttggtg gatggactta aaactccac tactgtggct 240
gatcaagaat tcacagtcgt ggagtgcctt tccaatcatg agtatcactc gcagactctt 300
ggatatgtaa ttggtggaac taacatgaga tgcgacacct accatctcac atgaaggatc 360
aatctcttaa ttgccacact ggac 384

<210> 25213

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F1

<400> 25213

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gagttgggat ttccatccag ctgctagcgg cctcctact cttggagctt gtgtcgctag 120
tgccgggggc gtcatgcgag gagttgccct tggatttttg ggtgagtgc ctacgggggg 180
tcggggcaaa ggacgtttca acagccgatg gatgcaccaa taagaataag gacaccgtgc 240
tctgctctgc ccaggctaac acggtaacca atttcatcaa ccctaccaac tctgaggaa 300
aaggctatag gaccatcggg gagtccatcg gtaacatccc tgatgatagc accaaacggg 360
tca 363

<210> 25214

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F10

<400> 25214

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ttgatgtaag gtcaccatcg gtttgcccaa cgtaccgatg ctcgacctgt aacaatactg 120
catcgccaat ctccgtgccg aatctatagt actgatggaa catattccgg tatgctcgca 180
agaactactc aaacaacaag attctgagcc gtctcgaaat tgtacacgga aaggctggca 240
gctacacatg gtcacttac aagcagctat actacaccgt gctcaatggt aggtctgcc 300
t 301

<210> 25215
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F12

<400> 25215

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actgcgaggc tategctccc taccacttcg acttgagcgg caaggccttc ggctccctgg 120
caaagcccgg gctcaacgac aagattcgcc actgcggcat catggacgtc gagttcagaa 180
gggtgcgatg caagtacccc gccgggcaga agatcgtgtt ccacatcgag aaggtctgca 240
accccaacta cctggccgtg ctggtgaagt atgtggcgga cgacggcgac atcgagctga 300
tggaatcca agacaagttg tcggctgagt ggaagcccat gaagctctat tggggcgcca 360
tctggaggat ggacactgcc aaggcgctca agggcccctt tt 402

<210> 25216
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F2

<400> 25216

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aaggcgatat ttaaatacaca tgtgctgagg gtgcacaaat ccaaatttgc acagtttatc 120
atgttttatg cttgttccct gcacctcgag attggcgatg gctttgctaa ttttcttact 180
gatattttta ttgacaagga caaaaacgag gatgcaatta ctagagtgtc tgcagtttca 240
tatgttgga gctatctgtc ccgggcaagg ttcatttccg taaatatagt tgtttctgta 300

aacatggtaa ttggatcgag attctacgcg tggataacct ggatcatcacc gggcagggga 420
a 421

<210> 25219
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F5

<400> 25219

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tcgtcagcgg taggaggaac agaggagtgt attcctattc aaacaaccaa agccttctag 180
gccatgcatg gagcttgtgg aacgaggaga agagcataga gctagcagac gaaagaatga 240
atgggtcgtt caactcggac gaagtgcaga agtgcacag agttgggctc ttgtgcgtgc 300
aggagaaccc agacgaccgt ccgctgatgt ctcagggtgt tctgatgctg gctagtaccg 360
atgccacctc actgccaaact cctaagcaac ctggcttcgc cgctaggaga gttctgatgg 420
aaacagaca 429

<210> 25220
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F6

<400> 25220

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ggcgcttctg ccagagaagc actgcgcctt gtttgatgaa gcttgtggag ccatggcggg 120
cagtaatagt cctgaaggag tgccagtagt gacttctgct gatgaccctc cgacccgtgc 180
caatattcca tttctctgca attcagttga tgaaacctgt gaagccacag ggggcggcag 240
tgctcccttg gagggtcaga tatgtacggg tttctccaag ttgatcagct tggaggtgaa 300
gaaaggcctc cagaagtgtg cgacgttccc accctcatct ggtcagcctc agcaggagga 360
ttgttcatgc tgccatgtat gtgacgggct cacgtgtgct 400

<210> 25221
<211> 466
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-F7

<400> 25221

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gcttccangc cgcgcgccctc caccgcgttg tctccttctg cgccagctcg agggcactat 120
ccatcaggat tgcacagtgc ttncgtctga acgggcttat cttccttggg agcttgctta 180
catttacatc ggtgggtcatt ccaactctac tgtggatact acctgagcga tgcaatcaag 240
cagcaggaca tctttgtaac ccagggaag cctatctaac tattcaatct tgcgcttcgg 300
gcttggtgag attttttatg tattatgggt ttatccactt tatgtcttca gcttcatatt 360
aaggaccatt tgggataatg acattgccaa gcatgcatgg gatgttgtga aagtaagagc 420
ctagtttgac ttaatcactg gatgctcacc acgtaactga aacaaa 466

<210> 25222
<211> 136
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F8

<400> 25222

ctataacatg ctaaatttgt tctaaaaaat aaaaaaaaaa aaaaaaaacaa aaaaaaaaaa 60
gaataaatat aaaaaaaaaa aaaaaaaaaa aaaataatta taaaaaaaaa aaaaaaacac 120
tattcataat cataac 136

<210> 25223
<211> 391
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-F9

<400> 25223

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 gcgccagccc atcggcacgg cggcgaggg cacggacgac aaggactaca aggagcccc 180
 gccggcgccg ctcttcgagc ccggggagct caagtcctgg tccttctacc gcgccggcat 240
 cgccgagttc gtcgccacct tcctcttcct ctacatctcc atcctcaccg tcatgggcat 300
 ctccaagtcc acctccaagt gcgccaccgt cggcatccag ggcatcgcct ggtccttcgg 360
 cggcatgatc ttgcgcctcg tctactgcac c 391

<210> 25224

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G10

<400> 25224

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 tattcattaa cttaagcata ctcctttttt tatttaatga gttgatatta attaaatatt 180
 ttttttttta gatttttgca aaggtttcat ttacgcctaa tccatatcga gtagaccctg 240
 tcgatgtgag aattcttaat tcatgagttg tatggaggga cttatgtcac cacaacaga 300
 aactaaagca agtggttgat ttaaagctgg tgtaaggat tataaattga cttactacac 360
 cccggagtac gaaaccaagg atactgatat c 391

<210> 25225

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-G11

<400> 25225

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 ggggatcgat cgcttggtct cggtgttgcg tagataggta ctagaggact atagctacta 120
 gtaggactag gagaggatcc gagggagaga gagtaaggcc aagatgatgc gcgcgaaccg 180

cacggtgttc atcacagaca tgaactacga gcctatcgct ccctaccact tcgacttgag 420
 cggcaaggcc ttcggtt 437

<210> 25228
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D12

<400> 25228

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 ggctccgtgc gagcagacga aacaaggggt ttctgctgct gctcttgact tgcaaacaca 120
 ctgcccgggt ggctgcaccc tgctggtctc gaccccgtag cgaaacctg ctgcgatcc 180
 gtgatccgct gcgaggggtt cagcgccgac ggccccgttt ctgggcatgt gagctcacat 240
 ggggtggacaa acggagttca agggagggag atttgggtcca gtccagacca gacacggcca 300
 cgaccaaacc aattctccgt gggcggtccg acgtgcctgc acgggtcagt ctgaagagaa 360
 atctgggact cggcactccc gactgacgag cgtagcc 397

<210> 25229
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-D2

<400> 25229

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 cgggaccccg ctttcacgca cgccaacggc tacttctcct cctccgcctc cccgaactcc 120
 aacaacggct acttctctcc cgtcttcgag aagaatgacg ctttccctgg gaccggcgct 180
 ggcgagggcg gcgaccggcg gatcgagatc tacaccacg cgctcctcc gcacctcccg 240
 ccgccacccg gccacacgct ggcgctgcc cgcggacgg ggtggaagga ggggagactg 300
 ggtggaggtg gagggggcg cgcgggcggc aggaagcgg gaggtggtgg gggc 354

<210> 25230
 <211> 325

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D4

 <400> 25230

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 ggaggagcag tctaccacgc taaacatgaa gccggagaaa gcgtgtacag taccggaatc 120
 catcaccatg gcgggatcag cgttgctcaa cgctctcgtc ctccgcgcgc catccgcgtc 180
 gatctcgtgc tcgtctaagg tccgcaacgc cggcgccctt gtgttctcga acccaccgcg 240
 cttcccatcc ctgcgttctg agcgccgcgt cgcccttccg cgggcggagg cggtcggtga 300
 ccctgaggac gagtgggtgc cgag 325

<210> 25231
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D5

 <400> 25231

 cgcggtttt ctgacgaggc gccccgcca tcgcctgttg ccactgccg aaagggaaag 60
 aaggtggcag aagaggagta cgacgagaag aaggtggcag cgaccccgca gccggccgcc 120
 aaagcacagg tgggtgggatg gccaccagtc tgcaactacc gcaagaacac gatgactacc 180
 acccagctgg agggcagcaa ggaggatggt gatgccaagc agggtcaggg gttcctgtac 240
 gtcaaggtea gcatggatgg cgcgccgtac ctgaggaaga tcgaccttaa gacttacaag 300
 aactacaagg acctgtcgac cgcgcttgag aagatgttca gtggcttcag tactggcaag 360
 gaccgctcat ctgagtaccg catggatggt gaatatgttc tgacttacga tgaccaggat 420
 ggaaattgga tgcttgcg cgacgt 446

<210> 25232
 <211> 458
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-054-Q1-K1-D6

 <400> 25232

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 cgtctctacg gtcgctaata agcagccgca tccagggatg gagatgaaga agatcgcttg 120
 cgccgtcctc atcgccgcct cggccaccgt ggcgctggcc gcggaggcgc cggctccgtc 180
 tcccaccagc ggctcctccg cggtcgcacc cgccatcgtc ggggccgccg tggcctcctt 240
 ctctcgctac tacattcact gagccgccgg acgaggagcc ggagccggag ggaagagacc 300
 aaggtggggg gagagacttg gctgcgctgc gctgctctgc tgctcccgcg cattcccgat 360
 gcgtgggcgt gctctgattg ggcacggcgg tggcagtggc acaccttcgt cttccttttg 420
 gttgtttttt tttccttctt ctttctactt gattttca 458

<210> 25233
 <211> 450
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-054-Q1-K1-D7
 <400> 25233

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 atccgtgtgg actgttataa aatattacat atgtgaccaa tccaaggggt gcgacagttt 120
 tccccagggt acacaccctt tgggatacac cccttcactt gtatataagt gtaatgatct 180
 atggaataca atcactgttc tctgcctctc tctttgttac cactgagtaa acttgagtat 240
 acttcaacac gttatcagca ctgcttgcca gatcagagaa aaagacttgt gctaagttcc 300
 ttgttcagat gaacgtggac ttggatcgct acagcatgca acaacggatt ttcttaaaac 360
 anatcgctca taagttggag aaaggtgatg gtatggaaac tactcttnct ctccgctttt 420
 cgctgtctgc tgtctgcgtg taattttata 450

<210> 25234
 <211> 441
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-D8
 <400> 25234

atcacccctgc aggttgagag ctcgacacc atcaacaatg ttaaggctaa tatccaggac 240
aatgagggtca tccccccgaa ccagcagcgt ctgatcttcg acagcaaaca gatggaggat 300
ggcaccacct tagcagacta caacatccac aaggagagca ctctccacct tgcgctccag 360
ctccttggtg accactaagt catgg 385

<210> 25237
<211> 391
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-E11
<400> 25237

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gggcttactt actccataag cacacgcgtt tccaacgagc ttggcgctgg gcagcctcag 120
gccggaaga tggcagcaaa ggtagtcatt tacatggctt tgtctgaagg actcgttata 180
tccttgacga tgaccctgct acgcaacatt tgggggtacg tgtacagcga cgaggaggag 240
atcgtgacgt acatctctaa gatgttgccg atcctcgga tatctttctt catagatggg 300
ctccatagct ctctttcagg ggtgctcaca ggctgcgga agcagaagat cggcgcgcc 360
gttaatctcg gagcgttcta cttgctaggc a 391

<210> 25238
<211> 387
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-E12
<400> 25238

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gcgaaggcca gggtccttgg accactatat ccaggagcga cgaagtgat caccgccag 120
ccatggagat gaagaaggtc ctctgcgccg ccctcgctgc cgccgtctcg gccaccgacg 180
tgctggccta ggctgcctcc gaggcgcct tcgaggcgcc cgccggcgcg gccggtggtg 240
cggctggccc tagcgcaagc ggcgccgacg acgtcgccgt gcccgacgcc gggcgctcg 300
tcgcctactt cctcgactac tacctccact gagcgacgac gcgcggggcg gcaacgatgg 360

gatgcatcgt gtttggatca tccgatt

387

<210> 25239

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E2

<400> 25239

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gaaagggtggg gttttcctac atataactgg gaggagatgt caaaggataa ttatgggtgg 120

tggcgagctc gtctgacaca gatggcaaag tacttcacag catacaggat agaccacatc 180

ttgggtttct ttaggatatg ggagcttcca gatcatgctg caacagggttt agttgggaaa 240

tttagacctt ccatccctct tagtcaggag gagcttctaa gtgaaggctc atgggatttt 300

aatctgatga gcccaaccata cattctgcag gaaatactgg aagagagggt ggatcctctt 360

gacagtcac 369

<210> 25240

<211> 216

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E3

<400> 25240

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gggtcgaggt tgatgatgat catgccaggc ctgaaatcga agttctcctt gacaatcttg 120

aggatctcct tgccggagat cgcgccagtg ccgtacgtgt cgactaacac tgacagaggc 180

tcgggcactc cattggctta agacacctgg accatg 216

<210> 25241

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E4

<400> 25241

CCGAGAAACC TTCTGACTAA GGCCGCCGCTC TTGAGGTAGC GCCCGCTGCC GACTTCTCTG

catgtgtgcc cagtttagtg ccttcatggg catcccgatt tcttggatcc tcctcacagt 180
catccccag tcagttgact actggtatgc cttcgccgtc acgcttttct tcatgggcat 240
cacgataagc tgggtgcgcca cctcgacaaa caaccccatg ttcgctgagg tggccctcc 300
caagcaccgg accatgatct acgccttcga ccgtgcgttc tacggctcat tcgcctcgtt 360
ggctggcct gcagtgcgcc taatcac 387

<210> 25244
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B6

<400> 25244

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gtcgccgagg ccttgccggt gccgcagacg gccatggacc tgcgaagggt cccttggtgga 120
aagatccgtt gagcccgagc aagtggaagg aagagcactt tgttctagca agcctctcta 180
tgtggggggc tcttttttat ggtggtttca agttttttgg tggaaagaag gaagacaaga 240
ttgagggtggc atcaggacag acataggtgg ctgggatggg agttcttgcc tatttctgtg 300
gccaggcaac aatgttaaat aaaaggaatg tggtatattg tgctttcaag atgataaatt 360
gtggcaacca ggttttgatt atgtatgcaa tattttgaca agctactctt atccagcatg 420
aatgacttca tgttagtgcg attgagtaga tgttttactt ct 462

<210> 25245
<211> 77
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B7

<400> 25245

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gtttactaaa acttatt 77

<210> 25246
<211> 385
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-B8
 <400> 25246
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 gctttgtcaa ccattatcac agagaacaca gaagtcgcaa ctgtttccct ttcagatcca 120
 gtttgtgtag cagcacggaa aatgcgtgag ttacaagtta attcagtcatt tattactgct 180
 ggaaatttgc ttgatgggat ctttacccca agggatgtgc tgatgcgtgt tgtggcccaa 240
 aatctttctc ctgagttaac tctagtagaa aaggtaatga ctgcacaccc tgactgtgct 300
 acattggaca caacaatcct tgatgcacta catatgatgc atgatggcaa attctggcat 360
 attcctgttc ttgatggaga tgggc 385

<210> 25247
 <211> 401
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-B9
 <400> 25247
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 gtgagcgccg ccgtggtgac caccatcggt gcccgcgccg cgatcgccag gcccaatgct 120
 ctagggtgct ctgcgttgag ggcgaggagc gagagggtgc ggtgcagcta cgccaaggat 180
 gccagaacg cggccccagt cagcaccaag ggcgcaggcg cgtcgctgct cgccgcagcg 240
 ggcgcggtga ccgcgtcggc ggggccccgc ctggcgctcg tggacgagcg catgtccacg 300
 gagggcaccg ggctgagcct cgggctcagc aacaacctgc tggggtggat cctcctgggg 360
 gtcttcggcc tcattctggtc cctctacacc atctacacct c 401

<210> 25248
 <211> 396
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-C10
 <400> 25248

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acttttgtct tctgaggggc aatcatgaat gcgcctcaat aacagaata tatggattct 120
atgatgaatg caagcgtcga tttaatgtgc ggctatggaa ggtcttcaca gaatgtttta 180
acactctacc tgtggctgct cttatcgatg ataaaatatt atgtatgcac ggtggactct 240
ctcctgatct agcacacttg gatgagataa agaacttgca gcgtccaact gatgtaccag 300
atcaaggtct actgtgtgac ttgctttggt cagatccagg aaaagatgct caaggggtggg 360
gcatgaatga tagaggggtc tcatatacct ttggtg 396

<210> 25249

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C11

<400> 25249

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ggcaagggcg ccgtcgccga ggtcaaggac cagggcagct gcgggagctg ttgggctttc 120
tcaacaatag cagctgtgga aggcataaac cagattgtta caggcgactt gatctcctta 180
tctgagcaag agcttgtcga ctgtgatact tcgtacaatc aggggtgcaa tggaggctctg 240
atggactatg cgtttgagtt catcatcaac aatggcggaa tcgacaccga gaaggattac 300
ccttacaagg gcacggacgg acggtgtgat gtcaacagga aaaacgcgaa ggttgtcact 360
attgacagct acgaagatat accagcgaac gatgaga 397

<210> 25250

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C12

<400> 25250

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gtgctgcgcg tctccctccc ccgcctccg cctccgcccc ggcaaaaagc aaaacacggc 120
catggaaggc tacgaccgcg agttctacca gttcagcgac cagctgcgcc tgcagacggc 180

cgcttctcg ggcctctccc tcggcgactc catctggtcc cccgccggcc ggcgcaacaa 240
cagcaacgac gtctcttctg ccgcctccgc gtcgcccgcc gacgccgccg ccaagagcaa 300
cgccgtcgtc gggctcaagc tcaacgacgg agggcccggc ctcatcggct ccgggaagct 360
ggccttcggc ggcgccggag gcggcggcac caacaa 396

<210> 25251

<211> 290

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C2

<400> 25251

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gccagcgatc gcgcctgctt ccggggcgctc cagccttggc ccggtcgccg ggtgcggcgc 120
tggtcctggc ttgggctctc ccatggcatc tctggagcac gaggtggtgg tcgccatggc 180
atctctggag caggaggcgg tggtcgccgc ggtcgctcgtg gagaacgtga cgccgtagca 240
gcaaggcgga agttgtggcg gcgcacgagg aggaggggat accggtagcg 290

<210> 25252

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C3

<400> 25252

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caagaggccg tatctcgaga ggaactactc cgtgctggaa ccttcagaag ggagccagct 180
cgtcgacgac gtggaagggg aaagctctat cgagaacgtg ggaaacagct tgagatcaac 240
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gcggctagcc agacgatggc catgatcaat aggctgcagg atgagaatgc tgcaatgcag 360
atggaggctc tgcattacct gaggatgatg gaacatcatg ctgaccacga ccacctggc 419

<210> 25253

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-054-Q1-K1-C7

<400> 25255

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gctcttgagg caccacctgt ctagtgggag ctactccagc ctctagacac caactccagc 120
gcccccgat ggaacaacaa ctccaccctc actgtctgga cagcaagatt cattcacctg 180
tcatatagtt tcatcgatga atctgaaact tttattgctc ctgtgttgcc cctatccaaa 240
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atgtattcta tgttctcaac agtaggagta cattctaaag atcatagggt agaaatcttg 360
cgccataaga tagctgctaa agaaaatgaa ctaaaagggtc aaaagagacc tttggctcgt 420
gntgctacca agaatgcaga tttttct 447

<210> 25256

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-C8

<400> 25256

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gcgctcaagg gccccttctg catccgcctt accagcgagt ccggcaagaa ggtcatcgcc 180
aaagacgtca tcccggcgaa ctggagacct gatgccgtct acacttgcaa cgtccaataa 240
tactagactt tgaattacct tcgattcatc cggcacagcg ggctatggac cttcagcagc 300
aagctaatta agttggcagc atgcaccgct aacctaatat actactgaga cttccaaatt 360
ctagaatatg caatcctttt gttcagattc atgatcgaat tccaaagagt ggaaaacaag 420
cacaaggtta aatatacatg ccatttttgg aggctttttt 460

<210> 25257

<211> 344

<212> DNA

<213> Zea mays

taaagtaatg gaaaaaaaaat aaaaaaaaaa aaaaaaacca aaccttttaa aaaatccaaa 120
cattcatact actttctttc aacctcatat ttttacttta ctattaccta ctttcattta 180
actactcccg ctttttcaac ctaattcact ggtaaaaccc ttcttttccc caatttaatc 240
tccttctatt acatccccctt ttctcaattt ggcctctttt ctatcaaccc ctctcctttc 300
gactttccca ccctttcccc actctaattc ctcaattgta ctccccctt 349

<210> 25260
<211> 181
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B4

<400> 25260

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tgctgggttg acctcttgct cttcggacca cctccaaggc tcttggtgta gcttgccact 120
ctcaccaatc aagttttcat gtctgatctc gacattcaga tcccaactgg cttcgatccc 180
t 181

<210> 25261
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A1

<400> 25261

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tggcatcatc ggccgcgctc ttggtgctag ccctcgcgct agtggcggcc accgccccac 120
aggtagcgga ggcaaagaag aagagagcgg cggagagcgg cgaggcgggc gaggcgaaga 180
agatccagga cgacttctgc tcgacgctgt gcgagggcaa gaaggggacg gacctggtcg 240
tgtgcaagga gtctcgcgcg ctctcccagc agtccaacct ggtgctgtac ggcaggatcc 300
agtgaaggg caagtgcacc gagcagaagg gcatcacggc gccggccatg aaggtctgcc 360
aagaggagtg cgacaaggcg tacgtggtga aggcggccga ggtcacc 407

10965

<210> 25262
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A11

<400> 25262

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caaagttctc tgggttatct ctttgaagc ggtgagcccc ccaaaccagc agtggcacca 180
gctgcaagtg ctccacctgt tgagaaacca tctgctgcaa agactgatgc ggccaagcat 240
gttgcgtgctt ggggtaccag ccaaaccaat aactaccaca aggctgatgg tcagaacact 300
ggcaacttcc ttacggaccg tccttcaacc aaggtccacg ctgctcctgg cggtgggtct 360
tcctggggct acctgttcgg tggcaactga tgcccgtgct 400

<210> 25263
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-A12

<400> 25263

acgcccacgc gtccgggggtt gttctaggtg gactgaagga atatctcaag acaattaggc 60
gctgtataag ggtgggtattt attggttgtg gaacaagtta caatgctgcc ttagctgcaa 120
gaccttttgt ggaagaactg actggtattc ctgtgactat ggagggttgca agtgacttgc 180
tggacagaca aggtcccatc tacagagaag aactgcagt ttttgtagt caatctgggg 240
agacagcaga taccctactt gctctagatt atgcactaga aaatggagct ctctgtgttg 300
gcataacaaa tactgttgga agcacgctgt ctagaaaaac aactgtgggt gttcatatca 360
atgctgggtg tgagattggg gttgccagta c 391

<210> 25264
<211> 406
<212> DNA
<213> Zea mays

<223> unsure at all n locations

ccctttctgt acagtctcgt gttcggtagag ggagtcgtga acgatgccac gtctgttgtg 180
ctcttcaacg cactccagaa cttcgatctt aaccacatcg atgtagccgt tgtgctgaat 240
ttcttgggaa acttctgtta cttattcgtg tcaagcacct tacttggagt gtttactgga 300
ttgctcagtg cctacataat taagaagcta tatataggaa ggcattccac tgaccgtgat 360
gggtgcgctta tgatgctcat ggcttacctc tctacatgc tggccgagct gctagatctg 420
agtggcattc ttaccgtatt cttctgcggc atcgtgatgt cacattacac ctg 473

<210> 25269
<211> 427
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-054-Q1-K1-A7
<400> 25269

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gctccccccg ctgcgggtggc tggcggtggc ggcggcctgc gtgggctccc agcccatgct 180
gctccggggcg ttcgccgcg cgggcaagct gacgctggac atcaacatcc tgatgctcat 240
cgcggtcgcc gggtcctggt cgctcgggag cttcacggag gccggcgcca tcgtgttct 300
cttcaccgtc gccgagtggc tggagacgct ggctgcagc aaggccagcg cggggatgct 360
gtccctcatg tccacggtgc ccaagactgt cgtgctggcc gagacggggc aggtcgtcgg 420
catgggc 427

<210> 25270
<211> 470
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-054-Q1-K1-A8
<400> 25270

gtgcctcggc gccatctgcy gcgtcggcct cgtcaaggcg ttccagagcg cctacttcga 60
gaggtacggc ggccggcgcca actcgtcgc ctccggctac tcccgggca ccggcctcgg 120

cgccgagatc atcggcacct tcgtgctcgt ctacaccgtc ttctccgcca ccgaccccaa 180
gcgcaacgcc cgcgactccc acgtcccggg tctgggtccc ctccccatcg gcttcgccgt 240
gttcatgggtg cacctggcca ccatccccgt caccggcacc ggcatcaacc cggccaggag 300
cctggggcgcc gtcgtcatct acaacaagga caagccctgg gacgaccact ggatcttctg 360
ggcggggccct ctggtgggcg ctgncatcgc ggncttctac caccagtaca tncnccgggc 420
tggcgccatc aaggccctcg gctccttcag gagcaacgcg tgatgagcgg 470

<210> 25271
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B1

<400> 25271
aataaccaat ttattggatc aaaaagaaag tagatgttat cacaggatgg ctacataaac 60
cttctgtgtg aagtaaactg tgagtacgaa gtcaatccct ggaaccagaa aatgcaaaag 120
agatctacgt gcacgaagta gctctgccac tactggactt cactaccacc tttctctcac 180
atcatccgat ttgttctgtt ttccgtaaag tggcgggttc ctatcagttc aagtcactgg 240
caggccgtgg ctgtggatca tcaccttcac gaagagaata tcgaaagaat gttcttctta 300
acgatgaatt catcagcttt ggaaggactg attgac 336

<210> 25272
<211> 67
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B11

<400> 25272
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aactagttct 60
agggcgg 67

<210> 25273
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B12

<400> 25273

cggacgcgtg ggcacgcatg tgtaatgcat tgcttgggat ccaacccaat ctagtatagc 60
 gtggcatggg tcggcttaaa gtattgtcag cactaaagtt aattatttgg cgggtgtaggc 120
 ggtgttggcc ttccagttgg cagggatgac atcgctgtag acggacttgg tgctccctc 180
 ggtagtgagg cggacgggta ggggtccctt aagcggtttg tcgctgtcct tcctccagat 240
 ggcgccccag gagtgttca gaggctcgta cgtgtcggag cccttctcct tgacgtccac 300
 tgccacaatg tcaccgtcgc cgtccacgta cttgaccagc agtgccaggc agttggggcc 360
 gcaccccttt tcaaggtgga aggtgacctt ggagtcg 397

<210> 25274

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B2

<400> 25274

ggatgggcct cttaccattc tttcttcaag tgctgatgt aatgatgtag tgtattgtat 60
 gaatagataa tgacatttac tgcctagctt aatttttacc actgactatg gtagcagcaa 120
 gccactgatg cagcaaatta ttgttgcatg gactagctgc attgtagctg aagctagcag 180
 aagcgagcac ataaaaattt ataggcaatt tataccttgt gagttattca tatcatcagc 240
 tcatttttcc ttatggattt gtgaatatga atgttggtga tgcagataat tatgttatgt 300
 acccctagaa ataccacaat gttgtaacag gtgaactaga gcagagagag aatacattat 360
 tccagattaa caaccttttc tt 382

<210> 25275

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-B3

<400> 25275

ggaccaggga caggagcaa caaagctgag tcctcctcct ccatggcggt acggtggcgg 60

gcgacgttta caaaggcgag ctgacgccgc tgcagcggca cgtcgccttc ttcgaccgga 120
acaaggacgg cgtcacttac cccgccgaga cataccaagg gttccgcgcg atcgggggccg 180
gcgtcacgtt gtctgccttc agctccgtct tcatcaacgg cctccttgga cccaagacca 240
taccggagaa cgagaaggct ccagctttca agctcccat ctacgtgaag aacatccaaa 300
aaggaaagca cggaagtgat tcgggctgt acgatgcaa tggaagggtc gttgctgaaa 360
aatttgagga gatcttcaag aagcatgccc acactaggcc agacgccctg acaggcaaag 420
agctggaaga gct 433

<210> 25276

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H9

<400> 25276

aaaccgcacc cgagcggccc aaatcgggat ctgacggcaa ttccccaatt cgattccatc 60
ggatgggttg gcgttggcac gacgacgacg gtgacagcgg ccggggcctc ggcggtgtcc 120
ctgacctcgc tgggtggcggg ggcgatgggg cgcagtgcgc cacgcgacgg gtggtgcagt 180
ccgctgcca cacggaggaa gtcgagcccg gccgatttgt ccgcaagtgc gagaagacgg 240
agcagctcct ccgcgactgc gtcggcaggc cctctgaact ggtggaatcc aaaactgaaa 300
acactgaaga agatgtcaca gaagaaatga agagcgggtc actttctctt gggtttccaa 360
gaaacgagcc cttegcattc cc 382

<210> 25277

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G3

<400> 25277

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agtgtgggtt tctgaatcat agcttggcga tgcctgaggc tagacaaata ctgagctagc 120
cttcagaaaa aaaaagaaaa gaaagagatt gagaagcagg gagaaaaaat ggcactggcc 180

cattgaggaa gcttgagaac cagttaacaa gaattgccaa catattcttg gacaatcttg 240
 ttaacagagt ttttaaggttt cccagcagag aagagcgcgt gcaaccacca cattcatata 300
 attaataagc aagggtttaga gaagaggcaa catgggcaca aagatgaaga aggggatcct 360
 gaagccgttc cgctatatct caaccatcat ggatggtaag gaggctgaaa tgcaaattgg 420
 gttcccgacg gatgtaaaac acgtggcaca catcggttgg gatggt 466

<210> 25278

<211> 465

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-G4

<400> 25278

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 cgctcgggtga agaagggcgt tccattcaac acgagttgctg tgagattagt gatattgaaa 120
 accaagcagt aggtctgaag ggaattcttg atcagcttcc cagagcacat gcatctgaat 180
 ttcggtcgaa gatgtctggc ctagcttctc aggttaagaa ggagaagcga gtgctcaacg 240
 ccgccctcac gaagattgtg aactacggtg tccccatctg actgccactc cagccagttg 300
 ttctgagggt ccattgtatc agatttttgt gaaggaagac atgttcgatg tgtaggggtg 360
 acgctatact gccacttgg tttcgagaaa aggaaaagag aataagttgt gaccctgca 420
 gatttctaata gtcgcanaag caacatcttt gaaacctgag taaca 465

<210> 25279

<211> 462

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-G6

<400> 25279

gtacgagaga gagagcgtga tgcaaagctt agaaatagag aacaacagga acgagagaat 60
 ggaataaggt cgtatgccca ggatcgtgag gacaaagaga gaaaggaaag actagaacaa 120
 gaaagagaga tgaggcaaaa agaggaaaag gaaagagagc aacaaagact tgaagaggag 180

agagaacttg agcgacatag agaaagagaa agagctaggc aagcagtga gagggctaca 240
aaggaggcac gagaaagggc agcttctgaa gctcgcgcaa aagcagagag ggaggcacgg 300
aaacgttcag aacgtgctgc tgtgcaaaga gcccaacagg aagcacgtga gagggcagca 360
gcggatgcta aagatcgagc agagagggct actgcagaag canacgaaag ggctgctact 420
gaagctaang agaaagctgc tagtcaagcg agggataggg ct 462

<210> 25280

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G8

<400> 25280

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gtaaaaccga gagacctcag ccctcaggca agccgaccgc cgacgtacca ccgcgccaac 120
ccgagagaaa gatggagatg atcaagagga tcctcatcgc cgcgctcctc gtagtcgccg 180
tctcggccac cgcagtgtg gcctccaccg aggccgcccgc cgccggcgcc ccagccgcct 240
ccgagtcgtc ggcgtccgcc gaagcccccg ctggcgcccgc cggcgccggc gccggcaccg 300
gcaccgcccgc gggggccctcc gtcagcggcg ccgagcccgc cctcgccgcc gcgcccgcgc 360
cgctcctctt ctccctactc gcctactacc tgcactaagc ggacggacgg acggacgcgc 420
gcattgcatt ggcattgatg gactgttgaa catctatgca tgc 463

<210> 25281

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G9

<400> 25281

gccaaatatg gtagtgattg gctagatgcc aaggcgacat ggtatggcaa gccggcgagg 60
tgctggcccc gacgacaatg gtggcggtg cgggtacaag gacgtgaata agggccccttt 120
caacagcatg ggcgcgtgtg gcaacgtccc catcttcaag gacggtctag gttgtggatc 180
ctgcttcgag atcaagtgcg acaagccagc agagtgtctt ggcaagcccc tggtggtgta 240

cattacggac atgaactacg agccattgc ggcgtaccac ttcgacctag cgggcaccgc 300
gttcggtgcc atggccaaga aggggtgagga ggagaagttg ctcaaggcgg gcatcattga 360
catgcagttt cggaggggtca agtgcaagta tgg 393

<210> 25282
<211> 286
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H10

<400> 25282

cacccgatct gaccaaattt acatttaact gaaattcccc aattctattg catctgcata 60
attggaaatg aactaccac tacctataca tattcccttc cctcatcatc atccttaacc 120
taaactaacc aaccaaccaa ttacaccaa acatcacact acatgatctc cacatactct 180
atcacactaa taaactacat ccctccaat acatctacaa tacacacaat acctaccaga 240
ttctccaata caccattcac ataaactctc aactcaaata acccaa 286

<210> 25283
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H11

<400> 25283

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ggggagagca agatcgggtg ttcccaatgg agctgggtca cagattgaac cggcttctag 120
aggggaattc tcgattagtt gtcataaaaa atgctgggca cgcggtcaat atcgagaagc 180
ccaaggaagt gtgccggagc atcattgagt tcttcaagga gcctgtcgct ggagctgcaa 240
atgcggacga caaggtgtag tagcttcac taatggcgga cgtggacagg tcttcgctgg 300
gcatcggcag acggcgcacc cgcttggtgc acgcaaacac aaggcagata cgtggcattg 360
tacatctaca tccctctgcc attggtctga tgta 394

<210> 25284
<211> 395
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-H12

<400> 25284

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gatggggaga aaggcgctcg gctgtgctcc tcttctctc ctcttgccg ccgccgtcgc 120

tccggccgag ctacgcgtcg gggcgggcgc tgcctcgggc gcggtcacc gggccgactt 180

ccccgcgggg ttcgtcttcg gcgtcggtc ctccgcgtac caggtcgaag gtgcagttgc 240

agaggacgga aggaagccta gcctctggga cacattcaca catgaaggct attcccttga 300

caacgccaca ggcgatgtaa ctgcngatca gtatcataag tacaaggacg acgtnaagct 360

tctgcatgag aatggtgtcg atgcctaccg gatgt 395

<210> 25285

<211> 357

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H2

<400> 25285

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cgtcggccgc cgcattgaggt ggtcagctct gaagtccga aagctgggtc tggatgtcgt 120

caactaagga ctatcattac ccttttttta ttgaaatatg ttgagccgct aatgagcatt 180

caaaataatg agttggtggt gtacaatttt gccactgggg ctaggttcca tgcctagaaa 240

ttattttggt gtctttactc tgctgagctg caaaagcatt tcaccaaggg agtacatttc 300

acggttcttt ttggtttgca atgcctcaat atcaccagca atcttctaac ttaaaaa 357

<210> 25286

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H4

<400> 25286

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acaaaggctg ctcaggaggc ttccaggga ctacagagtg cccggcagga ggccttgcaa 120
 aggaaaaagg ctgaaaagaa gaaactcatc gaggaggcag atgccaaact aagcgctgag 180
 tcaactccgga agaaagaaga aaaggaaagg gctcggcaaa tgaagaagtc tggacccaaa 240
 gtgaagatgc tccgctctta acaacgtcat gattcaagaa tctatcatat cttggctttt 300
 gctattcacc tgttgattag catatagttc agtgtctgct agactcattt atattcta 360
 cctgtgagaa tgagcaaaaa ggatccagga gaaagaatc ctactggcg tttcggcttt 420
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<210> 25287

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-H5

<400> 25287

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 ggtgcaagga gttcgccgac cgcctctaca acttccgcaa ccaggggcggg aagccggagc 120
 agttcgaccc cagcatgaac ccgtcctacg ccagggggct gcaggacgtg tgcagggact 180
 acctcaagga cccaccatc gccgcgttca acgacatcat gacgcccggc aagttcgaca 240
 acatgtactt cgtcaacctc gagcgcggcc tcggcctgct cagcaccgac gaggagctgt 300
 ggacggaccc acgcaccaag cccctgggtg agctctatgc atccaacgcc acagccttct 360
 tcgacgactt cggccgcgcc atggagaagc tcagcttggt cggcgtaag accggcgccg 420
 actgcgaggt caggctgcgc tgcgacgcct acaacagc 458

<210> 25288

<211> 455

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-H6

<400> 25288

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acgccaatgc gcctgtcgct aagggttaaac catcggactt cagacaagct gcggagcgcg 180
 cttgtctggt gagcgtgaag aacgccgagg ccaccttccc tgggtgtacag aaggatagca 240
 tttcatatat ctgcattgac ctggtttatt aattcacatt actcctggaa agattccgcg 300
 ttgatccgga cca 313

<210> 25291

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G2

<400> 25291

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 gcatgtatat attcctgcc aagataaagg aatggagtcg tcacgcagg tccagccggc 120
 cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa gggaatgcga 180
 gaagtacagt gagcgtatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
 ccgcggtgag ggcttcttgg ccggcagggt cagcaccttc cgccgcccgt gcatctgcac 300
 taggcagtgc taaacaagat cgctcgatcg ctgcgccatgc atcgacaacc tattcttaat 360
 aacgttcatt atctcgttct tatttatgac gaatgtcatg tatgttctgg tgactgtcat 420
 gtatattctg atgactgtca tgtatcttgt tcatgtatgc tc 462

<210> 25292

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C8

<400> 25292

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 agctgggtcat gagegcccgc ccaaccatgg cggcggcggc gcccggtgcg gcctgggtgg 120
 tggcgctggc gctgggtgctg gcgtgcgcgc tgctccagcc gcggccgtcc gacgccgcgg 180
 cgcagcccgc cccgcagtcg ccggcgacgg cgggtgtcgtc gggcgccgcc aagcccaagt 240
 gcgtggccgg cgccaggaac gaccacgct gccgcgtcgg cgccgtgcac gaccgggaca 300

gccaggagga ggagggctcc agcgtcacca tcgacgcgcc cgccgccgcg cccgacgacg 360
 tcggccacga cgacggcagc gactacaacg accccgacgt gccaacaac gaccagctcg 420
 tcgtcgtcgg ccactgaaag ctgccgcgcg cgcgcgcg 459

<210> 25293
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-D1
 <400> 25293

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 taacaaaaaa aaatatatat aaaaagtcaa aaaatattat attataaaaa attaaattgg 120
 gttgcctcgt tttatggttt ccattttttt ttccccttaa attcaacttt ttagcttttt 180
 ttttgttccc cctaatttct attctttgcc cgtcttttta caactttttg ttttttaaac 240
 ctttggtttt tcccaatttt ttcgctttgc ataatatctc tttttctccc gttgttttaa 300
 tcctttttac tcctttactt tttgcttttc ccaccatttt tccatctcat tttccaaatg 360
 taatccccct tttactttca ctttatccgc ttcttttttg ggggtttttc ccatttttcc 420
 cttt 424

<210> 25294
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-D10
 <400> 25294

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 gaagggtcac cagaactggg tgaaggtag cgggcagtac ctgacattcc ccggcggcgg 120
 cacgcagttc atccatggtg cgctgcacta catcgacttc ctgcagcagt ccgtccgcgc 180
 catctcgtgg gggaagcaca cgcggtggt gctcgacgtt ggctgcggcg tggccagctt 240
 cggcggctac ctgttcgagc gcgacgtggc gaccatgtcg ttcgcgcca aggacgagca 300
 cgaggcgcan gtgcagatgg cgctcgagcg cgggatcccg gncatctcgg ccgtcatggg 360

ctccaagcgc ctgcctttcc cgagcaagtc gt

392

<210> 25295

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D11

<400> 25295

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cacgcaggta cgaagaaggc gacgaacatg gcgaggctgg ccttggtagc ggcggtgggt 120

ctgtgcctcc tgtttagcgac agggccgcag ggggccatca gcgccgaggg gatggtgtca 180

tttgacaatt tgatcagctg caaggtactg ggcaactgcg acaagaacct gggccccgag 240

gcctccccgc cagggaaacc cgccaacgac tacaccgcg gctgcaacc gatcaccggc 300

tgtcgcggt gatcatatct ctctggtcga tgtgcgcgca atgtcaatgt cgcacgcgcg 360

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<210> 25296

<211> 241

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D12

<400> 25296

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cccacgcgtc cgcccacgcg tccgcccacg cgtccgcgga cgcgtgggcg cactgcgct 120

gccctagaac cttegcgcgc gccctctttt aggattaccg tgtccccgat cgccccctgg 180

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t 241

<210> 25297

<211> 462

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-D2

<400> 25297

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atattgaataa acataatgta atatgtgtgt gtgtgcaaga ataatacaac ttatgataaa 120
gttagcgtgg tgcaacaata agctaaacaa ttatcctaag agtaaacaatg tgtattgata 180
ttcctttttt ttacgaatag gttccatggt tttggaattg gaacaagggtc acttgggttc 240
aacatcaggg tacaagttaa gaaagggttca tctgtatcgg taggatttga aattctgcat 300
aagagttcca actagtatca cgtgaggact aaggcataaa tcatacagatt gctcatgccca 360
gtttcttggc tgggtaagca tacattccca tgatctgtgc tgagaaagtt ccacaacctt 420
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<210> 25298

<211> 466

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D3

<400> 25298

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taatcctcgc tgggtgctgag tatggaagcg gcagttctcg tgattgggct gctaaggggtc 120
cgatgctcct gggagttaaa gctgtaattg ccaagagctt tgagcgtatc cacagaagca 180
acttgggtggg gatgggaatc attcctctgt gcttcaaagc tgggtgaggat gctgattcgc 240
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gtcccggcca ggatgtgact gttactaccg acaatgggaa atcttttact tgcatacgttc 360
gctttgacac tgaggtggag ctggcgtact tcaaccatgg aggcatactc ccttatgtca 420
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<210> 25299

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-D4

<400> 25299

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catctgctct cgcaccccg tcccggaggt gtgcacgtcc accgccgggc ggcacgcgtc 180
caagtaccgc gtcacgcaca acctggccgt gccaacatgc aggtggacgc gttcgccaag 240
cgcaccgcgc aggcgcgcaa gcacgtcgcg aggtcggccc gcaccatccc gccgcagcag 300
acgcaggcgc tcacgttctg cgacaccatg tacatgaaca cgcangacac catcggcgcg 360
gcgcagcggg ccatcacgtt caaggacacc ggcaccgna agatcatgct gcagctcgcc 420
gtccaggact tcgactcgtg cgaaccgccc t 451

<210> 25300

<211> 209

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D5

<400> 25300

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atgacgaggc acccatctt cgtcctctcg gatacgctcg ccgtcgaggc gctgcagaag 120
atggttcaag gcaagttcag gcacctgccg ttggtggata acggcgagggt ggcgaccttg 180
ctggtacatg tgaatgattc ctttgtact 209

<210> 25301

<211> 55

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D7

<400> 25301

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<210> 25302

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D8

<400> 25302

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aaagctgcgg cctattcttt aggattagga ggagccgtat gaagc 105

<210> 25303

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D9

<400> 25303

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gagagagcat gcaccgctaa ccatatatac tactgagact tctgaattct agtatatgta 180
atccttttgt ttgggttttag gaggcaattc taatcatgta tgccgaattc caaagagtgg 240
aaaacaagca aaatgttaaa taaaaaaaaa aaaaaaaaaa ttaaaaaataa ataatatata 300
aattaaataa taaatattaa aaataataat ttatt 335

<210> 25304

<211> 270

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E1

<400> 25304

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gccgtcatct gctctcgcac cccgttcccg gatgtgtgca cgtccaccgt cgggctgcac 180
gcgttcaagt acccggtcat cgacaacctg gccgtgccaa catgcagggtg gacgctttcg 240
ccaagctcac ctttcaagcg cacaagcacg 270

<210> 25305

<211> 422

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E10

<400> 25305

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 ttccctggga ttagtcattt tgttgaaaga ctctgtacta tactctgtag cgtggtgatt 180
 ttgctagat ggcattgctt catttaggaa gaagagatac ttttcatctg ccctcatggt 240
 tacaattacc atgctgtagt tgttctatat aataaaataa gtgtttactc tatcagcgat 300
 ttggtttaa cagcttggtt cgatccgaga tagggagcat gatagattta aagcgctact 360
 gaaatcatgt tctgggattt gactgtctgg atattggcta taatccaatc agtgaagtgt 420
 ta 422

<210> 25306
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E11

<400> 25306

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 ccccatctac gagggatacg ccctcccca cgccatcctt cgtctcgacc tggctggccg 180
 cgacctcacc gactacctca tgaagatcct gactgaacgc ggctactcct tcaccaccac 240
 tgctgagcgg gaaattgtca gggacatgaa ggagaagctc gcctacattg ccctggacta 300
 cgaccaggag atggagactg ccaagaccag ctcttctgtt gagaagagct actagctgcc 360
 tgacggacag gtcacacca ttggtgctga gcgct 395

<210> 25307
 <211> 306
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E2

<400> 25307

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atcgggtacta cgaacaagca cctgctgtag cttctggccg ccctttacct acactagttg 120

aacaagaacg cactcgagggg ttagcgggatg cttccagtcc atgtctgcgt tgatctacta 180

ctgctgatag tactggtaga tcaaacta ggatttctgc gatcgaatct acacctgtgg 240

atcaagaccg aactggacta ttcgtttttac aatcaatggg acagggattt cataatcaaa 300

gtgcat 306

<210> 25308

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-C7

<400> 25308

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cgtggcggtgt gtggccgcca ccgtcgcgct cgcgtcgtcc atgtgctcgg catgcggtcg 120

caagccgaag gcggccaccc gtgcagaccc ggccgcttcg gaccagtccg ccgggacggg 180

ctcgggctct gtctccggca gcggcggaag ccaggaggct agcgccgagg aggcggagga 240

ggaagtgggtg agactgtcac cggagctggc gacgcacggc gccatcgacc cggtgacgct 300

gtcgtcgtcg acatcgaagc ggcgcctgtc catcagcgtg agcaagaagc tgagcatgaa 360

catcccggac aagctgcggc tgagccggcg ggagcacaag gaccaccacc aacagcagca 420

gcaccagcac gacgccccgg gcgncttgca cgctctg 457

<210> 25309

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B11

<400> 25309

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<210> 25312
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B3

<400> 25312

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cgaggagggc tcgcggcagc ggcagggtct ccggtgtttt tgttccagaa tctgtagcaa 120
atggctgacg gcgaggacat ccagccccctt gtttgtgaca atggaactgg catggtcaag 180
gctggttttg ctggtgacga tgcgccaaagg gctgttttcc caagcattgt tggacgcccc 240
cgtcacactg gcgtgatggg tggcatgggg cagaaggatg cgtatgttgg cgatgaggct 300
cagtccaaga ggggtatcct gactttgaag taccgatcg aacatggcat tgtcaacaac 360
tgggatgata tggagaagat ctggcaccac accttctata acgaactccg tgttgcgcct 420
gaagagcacc ctgtgctgct gaccgaagcc cc 452

<210> 25313
<211> 348
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B4

<400> 25313

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gatactgcat tgaacatgca cttgtacaat acaactgaaa catgctgcaa ggtcaaaata 120
ggcatatact ctgagactca cattaaaacg cgatatcaat atataattat attactatcc 180
ccaatacatg ttttgaccac tttaaaccctc aggtccacga aacccttggt tgtcacactt 240
caacagatcc tataaaccac attatgctca gttcacgtag tatataaaga ccctgaagcg 300
cccgaacctta caaaagattg ttaaccacta agacgaaatg gaacacat 348

<210> 25314
<211> 444
<212> DNA
<213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-B6

<400> 25314

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gcagctcccg gcgttccagt acgccgtcgc ggccgacgcg tcctcgccga tctcgaacat 180
cccagcggcg tccagggacg cgaacgggtgc catgtcctcg gatactgagg agtacggcgc 240
cgcgaagcca gcgggggtgg aggacgcttc ctcttctgcc tgcgccgccg cgaagctgaa 300
cgccggaagc ggccggcgcg gcggaggcgc gaagagagac gccagcgccg ccgtctgatc 360
ggagaatatc ggccccggcg gcggcgccac cacgtcggcc gtggaggaaa aggcaaaacc 420
tttgggcgtg gggctcgtc tgcc 444
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<210> 25315
 <211> 370
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B9

<400> 25315

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cggcctgcag gtggggttct atggcaagac gtgcccggcg gccgaaggcg tcatcagcga 180
catcgtcaac aacgaaatcg ctatggaccg gggcatctcc cctggcctca ttcgcctctt 240
ctttcacgac tgcttcatca cgggttgcca cgcttcatt ctcttggaag agtcgccccg 300
cggcgacgct ccagagaagg agtcgtccga caacggcttc accctggtcg gtctcagaac 360
cattgacatt 370
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<210> 25316
 <211> 467
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-C1

CCDS: 362420.1

<400> 25316

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gtccaacgc ctggctgctg gtgctcttca tctgcctcta cgtcgccggg ttcgcctggt 180

cgtggggggcc gctgggctgg ctcgtccctt cggaggtgtt cgcgctggag gtccggtcgg 240

cggggcagag catcgccgtg tgcgtcaaca tgctgctcac cttcatcatc ggccaggcct 300

tcctcagcat gctgtgctcg ctcaagtctg ggctcttcta cttcttcgcc ggggtggatgt 360

tcatcatgac caccttcata gccctcttcc tgccggagac caagggggtg cccatcgagg 420

agatgaacct cgtctggagc cgnactggt tctggggcaa gtacgtc 467

<210> 25317

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C10

<400> 25317

cggagtctta cgtgcactcg taccggaacc ataatcgga ttaaagactg ggaggggaagc 60

tcctacgaca tgcgctggac acatacttat atcagactta agactatact tcaacggtaa 120

ttgctactga tattatggga aagatgaaac atactacaca tacaacccaaa tgtaacacat 180

tacagaactc agaaacgaac acacatgtgt gtgcttaatc cttcagtcac gttatgaatt 240

tgatgaacta tagcccagca ggctcctctg gccgtggaag tttccaggca atactggagt 300

gggttgctat ttcctactcc aaggaaactc atgtacaaag aggcaagaac atacaatgga 360

gaaaagaca 369

<210> 25318

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C11

<400> 25318

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ctcctccgcc atgcccctgt cctctactca aatccggcgg cggcggacag ggcaaccgcc 120
 actgctgctg ggatccggcg gccagcggca actaccgggg tgcagcgaac ctggagataa 180
 ctccctggag caaggagatg gacggactcg tccaaactgc tcgtaggtcg gatgctgcgg 240
 ccacggatcc gccatgcggc ggggtcaacc atgtcgtcga ctccatagcc gaagagcccc 300
 ttgctgagga tcttggtgag cagcaggttg aagtagctga gcaggagctc attgaaggag 360
 aagagcaggt ggttcaagag gagccacaag gcgaggagta tg 402

<210> 25319
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-C12
 <400> 25319

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 cccagcgagt ctggcaaagg ggtagtacgg cgtgcaaggt ctgtcccgac ctctccggat 180
 cgcagatcgt ccccatcccc ggccccagtc tcagacaacg ccagccgacc ggcatcatca 240
 ctcaaacactc gcacgacctc gtcccgggtcc acaacaacat ctagctcggc ggcctcttca 300
 agccacggga agacgatgcg ctccgcttcg tcgtccgtgg gtggtgcaag tgcaagcgca 360
 nggcagacaa acgcggcgag aaggagagca gagaagcccc gtgccacatc cttgtggcct 420
 gc 422

<210> 25320
 <211> 467
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-C2
 <400> 25320

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catggtgacg atcaccaatg tgggtggcgc cggcgacatc gcggcggtgt cggatgaagg 180
gagcaagcgt gtcaagtggg cggagatgaa gcgcaactgg gggcaagtgt ggcagaccgg 240
ggaggacctc acctgcgagt cgctgacgtt ccgggtgatg accagcgacc accggaaggc 300
cacctcatgg caggttctcc ccgctgactg gaagttcggg gtcacgtacc aggcattcaa 360
gaactttctaa gtagccactt ttctctctct tcttcaacct gcatatgccc acaagcaacc 420
atgcagatga taacatgcat catgcatgca tattcattct ttcgctc 467

<210> 25321

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C4

<400> 25321

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caagttccag gagctgctcc caggtgcctt gagcgcccg aagcacgctg ccggtgtcgt 180
cggccagcgc tcgatgccga ggctgggcac gtcttgccag ttttgagagt agcagaagag 240
aagcgccctgc tctctgctct gtctttgccg ctgtaccatt ttggaggcgc ttaccatatt 300
atgaactttg aactatgata tgatgttcgc ataaatatca catgttctct gt 352

<210> 25322

<211> 390

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C5

<400> 25322

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gcatccaac gcctgggtgc tggcgctctg catctgccta tacttcgcct ggtagcctg 180
gtcgtggagg ccgctgggct ggctcatccc ttcggagggtg ttggtgctgt aggttcggtc 240
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cttactcagc atgctgggct cgctcaagtt cgggctcttc tacgtcttac ccgggtggat 360
gttcattatg accaccttca atcgccattt 390

<210> 25323
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-C6

<400> 25323

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aaggacgatg ggcaggggtg tgggtggaaga gacgctctgg ctgtcgcaaa gccatgcctt 180
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aggcgggtgag tgcaagatgg acggcgctcat gcgcaagtgc tactgcaaga aggtctgcta 300
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gctcggttgg gcacgcggtc atgt 384

<210> 25324
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B10

<400> 25324

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agggtggcac catggttccc atacgagtgc acacagtcct aatctgtact cagcacgacg 180
agacagacac caacgacgag attgctgctg acctgacgga gcacgtcatc aagccagtca 240
tccagaagca gtacctcgac gagcagacat tctaccacct caacatgtct ggccgctacg 300
ttatagtcgg acctaacggc tacccc 326

<210> 25325
<211> 269
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A10

<400> 25325

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cccaggcttg aaacgccctg gctagaggaa gcaccggagg tttgtttgat tgtagctggc 180

taaagggtgac gcacaactct aactgctatt tggttttcct ggctataaag tctggccaaa 240

ggtggtgcac aattctaaca attgtttgg 269

<210> 25326

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A11

<400> 25326

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ctccccctctt cegtctgtcc cccgcttgcc gccaccgccg ctgcccgcgc gcgacccctc 180

cccttttttaa cgtcccccgcg gcccgcgcgc gtgctccctt ttgtcgccgc tgccttcgtg 240

cccgtactcg cgggtttctcc tcgtctctca atctccgcgc ctgggagcgcg cgttcgccgc 300

cggatctggg cgcgggacgg tgccccggac ggtcgatggc gcgggagcgcg ctccggttgg 360

gcgaccgcgc gc 372

<210> 25327

<211> 417

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-001-Q1-K1-A12

<400> 25327

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gtacccggcc gccgccggtg gatactacgg cggccagtag cccggcggcg gctaccctgc 180
tccaccgggc ggcggtgctg accctcccgg ccctgggtac ccggtaccac ctggtgggta 240
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ggcgccgggt gcaggcgcgt atcctcccag cgggtaccn catcaaccgg tctaccaca 360
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<210> 25328
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A2

<400> 25328

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gcgctagtgg cggccaccgc cccacaggta gcggaggcaa agaagaagag agcggcggag 180
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ggcaagaagg ggacggacct ggtcgtgtgc aaggagtcct gcgcgtctc ccagcagtcc 300
aacctggtgc tgtacggcag gatccagtgc aagggaagt gcaccgagca gaagggcatc 360
acggcgccgg ccatgaaggc ctgccaggag gaggcgaca aggcgtacgt ggt 413

<210> 25329
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A3

<400> 25329

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gatggtttga gctatcctct tgatgttgaa gctggaacaa atgatatttc aagtaatgag 120
attgattggg ctagaaagcg taatgaactt ttgacaaagc ttcaaggatt atgcaaactc 180
atccgggtca cgttgtcaaa tcatgttcat agagaagaac ttgagttgtg gccattgttc 240
gataaacatt tttctgtaga cgagcaggat aagattatcg gtcataataat tggaactact 300

ggtgctgagg ttctgcagtc aatgttacct tgggttacat cagcacttag tttagaggaa 360
 cagaacatga tgctggatac atggaagcaa gcaacaaaa acaccatggt tgatgaatgg 420
 ctaaataaat ggtggaag 438

<210> 25330
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-001-Q1-K1-A4
 <400> 25330

cggacgcgtg ggcggacgcg tgggccatth tttccctggt cgcaccttc cctggtgctc 60
 gcccttgca c tttccctggcc gacgcccctc catggtcgag ctcacctctg cagggtgccc 120
 ctcccatggc gcctagtcct cttcccatgt cgagctcgcc caaccaatcg tctccatcgc 180
 aggtgctgtg tttcccttcc ctttccctcaa gtttggtcct cggcgcccaa gcttctatgt 240
 ccctacagca cgcacgacgt tgccctacc ccatggctcg gccgacctcg tcagtgaacc 300
 cctggcgcta ccctgcagct cgcctcaag cctaggtct cgctgttttc ctttgcccca 360
 cgcggatgct gtagccgggc tatgtctctc cctgtcgtag caccgcccaa atgttntgtc 420
 gtcgccggtt tgctgtggaa gaggaagat 449

<210> 25331
 <211> 363
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-001-Q1-K1-A5
 <400> 25331

caggaagaaa aattgttcca agatatatcc actgtactat ctgaactttc tcaactacat 60
 gatgagttga gctatcctct ggatgttgaa gctggaacaa atgatatttc aagtaatgag 120
 attgattggg ctagaaagcg taatgaactt ttgacaaagc ttcaaggatt atgcaaatct 180
 atccggatca cgttgtcaaa tcatgttcat agagaataac tagagttgtg gccattgttc 240
 gataaacatt tttctgtaga cgagcatgat atagattatc tgtcatataa tttgaactac 300

tgttgcttag gttttcattt catgataccc ttgtttacat cagaacttat ttaaaagtta 360
cat 363

<210> 25332
<211> 160
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A6

<400> 25332

gagggtataa aattttcttct ccaaatacca accaaattca ggggttacct cttgtctctc 60
tctctctctc tcttttcctt ttgattaaaa gtaagtgaat taggcgaggg ttttaattatt 120
tattttgtca aaacttatgt gagtcatgaa atgttgcac 160

<210> 25333
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A8

<400> 25333

cccacgcgtc cggttgccca cgccgcgggg cagaagcagc agggcagcca cagccctgac 60
gccttgcgtc gaccttgga cctcttttgg cgccaacaat aggaggagga gcggagccac 120
attccccgcg ccgcgcgtcc tgtcccggat gctgtcacc accacgcggc cggcagctcg 180
gactgacgag agatctggca ccagcccga gaagcccctg ttgcgccggt ggggtactacg 240
ggcgccgctg ggaggatcta cgtggttagg gttgcagtcc ccaagtgcga tgagatctag 300
aacgccatct ccgacggtga ggctgagcta gcgcccgtgc cgggtgttcgt gtttatggat 360
tttgtggatt tgaggatgct cgtagacctt gtgcaccggg tccggaacga tgtcggtggg 420
aggtgaagca gagatgaagg agctgcccga ggag 454

<210> 25334
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A9

<400> 25334

ctaattgtgca ttgcgccccat gtatacacaa ataacgttta ccaaaaatct tgattacaga 60

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tctgtcgtac gggtttaccg tgggccattg aataatagta tctcacagca aaaaaaaaaa 180

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240

aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaggg 300

ggggcccttt taaagggtcc aagttttttt tcccggggtt tcaaccctta aaccttttta 360

tagggggccc taaaatta 378

<210> 25335

<211> 256

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E6

<400> 25335

cggacgcgtg ggtcttcatt agcgcgaaca aagttttgtg ccggtctatc ggccgggggct 60

gtcctccccct attcatcaag actgcaataa ctgtcgctac ctatgcttct cacctgtgat 120

ttttggacac aatatgttaa ggtccattca attctaataa gacgcctgat gagggctacta 180

gcaaacaaca ccatgtgttc ggattgtcat tggttattga tgtcttgtga atgaataata 240

taaatttttt ttggtc 256

<210> 25336

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E7

<400> 25336

gccaccacgg cgaccgaggg ggccaaggct gcaccggcgc aggagcagca ggccaacggc 60

gacggcaacg gcgagcagaa gacgcgccac tccgaggtcg gccacaagag cctgctcaag 120

agcgacgacc tgtaccagta catcctggac acgagcgtgt acccgcgga gccggagagc 180

atgaaggagc tgcgcgagat caccgccaag caccatgga acctgatgac cacctccgcc 240

gacgagggcc agttcctcaa catgctcatc aagctcatcg gcgccaagaa gaccatggag 300
 atcggcgtct acaccggcta ctcgctcctc gccaccgcgc tcgcactccc ggaggacggc 360
 acgatcttgg ccatggacat caaccgcgag aactacgagc taggccttcc ctgcatcaac 420
 aaggccggcg tgggccacaa gatcgacttc cgcg 454

<210> 25337
 <211> 462
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E8

<400> 25337

ggatcccccc acaccttgag acctgcgttg tcacccaccc atcaaggttg gggccggggag 60
 gagagttagc cgttctctgt tcctgataaa acgagagaag gatggcagtg tctcagggag 120
 ctgtcctatt cttgtttctc ctctcgtcg cagcataggt gggaaccatc gatgccaaaa 180
 tgggagtagc catgcccatt catgccttga taatggagaa agcgaaacag caggagaagg 240
 agaagaagga ggagaaaagc acggagaagg aagagagtca atgcttatcg ccgagtctcc 300
 agttcgaggg cttctgcttc aacagcgaca gatgcgccga ggtgtgcatg aaggagagct 360
 ttcccgggtg cgagtgcagc cgggacgtgg ccatgcgcaa gtgcttctgc aagaagcctt 420
 gctagttagc cgggtcttgc aattgttgat ggggtgcttca tt 462

<210> 25338
 <211> 329
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E9

<400> 25338

acgcaaagtg ctttatcctg tggagctcag catgctatct atgatctgtc atgcaactga 60
 acgggtgtga gctaattgat gacaaacatt gatgctagca tgaccaagat ttacatggta 120
 ctctactggt tacttcaaag cagaactgtt ctactggatt aaaacataca ttaggcaaat 180
 attgaggaac tacaatatc cttgatggat ggaatgataa ctccaacttc tgagattgat 240
 ctagaattca taatcttggc atactacaac cattatgagt ctaagtcagc gactctagaa 300

tttataatgg atagaccttg catgataat

329

<210> 25339
<211> 396
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-F10

<400> 25339

agcacctnct cttcccccg cggaacaac ctcaaccggc gcaaccggca catcaggcat 60
gggcgcctgc gcaaccaagc ccaagacgct tgaagggcaa gcccagctg aggccgccgt 120
ctccacaccc aaggttgcgc ccgaggccac tccaatctcc gttgaggttg cggctgatga 180
acaggtagct gagaaggtgg tgggtggagga gccggctgcg gcggccgacg ttgagcatca 240
gaaggctaata gaggtgctcg ctccagaggc ggccgctgcc gagcccgacc acaaagagga 300
ggaaaccctg gagaagaccg tcgtctagga ggagaagcca gcggcagcag cccctatgca 360
gaggaaaagg tgcaccacgn cgacgagacc acgacg 396

<210> 25340
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F11

<400> 25340

cccacgcgtc cgcccacgcg tccgaccagc gcagcagttt cagggcgtgg tgaagggcag 60
ggaagctcaa gcaagcatac aaggtgcgta gagaggatgg ttcgaccagt cagtggatag 120
gccagagct tgtccaacct gaatacagtg cacagaaatt ttaagctaac acagttgtgc 180
aggaacagtg agaaaacaac acttgcagca aagcgaagag gcacctacct ttcttggtcc 240
cgtaagtagg atcggtttct cggtttgttg acccggcgcg cgctgaatag tttcaagacc 300
tgaaagaatt tcaagaaatt gatcaaagtc tggattgaaa tacgttatgc tagcttacca 360
ttgacaaggc aaagagacag ttgaactacg gaaa 394

<210> 25341
<211> 450

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-F3

 <400> 25341

 cggacgcgtg ggatctgttc cggccgcaa acaaaaccaa aaaaaaaca cactgaaccc 60
 agnggggga tcccacagaa actgttctct cggtccttc gatcgatcgc tgccgtgtcg 120
 tttgccagac accatcagca cccaaaacca tggcctgcaa cctggctcag tgcgccaccg 180
 ccgccgcggc gaccgtcgcg cccgcaccc ctgccttcg tgcgtccgcg tccgtctcct 240
 tctccgcgag gaagccggcg ggcggcagcc tgcggctgca gcggcaggcg tgctgcgagc 300
 cgtcggtggc gccgtcgcg gcggtgttcg cctgccgggc cgcggcgtct gtgagcgcg 360
 acgacctggc ctccgggggc aagaggctcg cggcggtgcc ggtgttcgtc atgatgccgc 420
 tggacaccgt caaggagtgc ggcaccgcgc 450

<210> 25342
 <211> 313
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-F4

 <400> 25342

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 ggccgtatgt ctccaacggc gggcacgcca agccctgac gcctgtcggc cgcgtggtac 120
 accacaacca ctgcaagttc acggtcgggc cgtggaaacc cgtccacgcg accttctacg 180
 gcgggcggta ctggtcctgc accacggcgg gcgcgtgctg gtacaaggac acgcgcgcgc 240
 atgggtatgg cgtgcagacg gtggccgtga gcacggtgct tttcggtgac tgctcggact 300
 gctgcgggtg cta 313

<210> 25343
 <211> 442
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-F5

<400> 25343

caagcacaga gacaccaagc gttgaactcg cctaagcagc tatcaaccaa ccctagggag 60

ggggacaccg taccatggc tcgcgctage gtcgtctttg tcattgccgc tctcctcttc 120

gtcgccatgg tcgtagcacc gatggccgag gcaaagtccg ccgatgcccc tgtggctgac 180

gcgccagccg atggacctag cgggcccggc gctgcacctg gccccaggg tgtcgaaggc 240

ctgtcaggca atgaggatga cgatgatgac tccaccaatt gaggccacac acgttgggcc 300

ggttaaattt ggaacaagac atggaagaaa aatgagagca atgtctttaa aaccatgata 360

atgtgtggtc atccactcat acatggatac atccttgctc .tccctctttt tctttctggt 420

tgattttcaa tgtgttatca tg 442

<210> 25344

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F6

<400> 25344

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gatatgtgta cagtggcctg ttgaatgctt catagaagca tataggctga tgtctttttc 120

atcactgtgc aacttgccac caatattcca tctctgtcga gtccaacaca tatagaattg 180

tactgtcttt tttcaaagag gtgcagagat catgcacacc aaagcagcag cagcatccta 240

ttgaagacca ggattttgaa gaatctataa ctaatcaaga agcagaccat tatgattggt 300

ggtacgagag caggagatca ggtggcacga caaaaagtat gctgagagcg caaatgtatt 360

gttaagtaac caggtgacat tgtgctgcat aacaaatgaa tgaagtcaaa tgaactgaat 420

aatttgtaaa aa 432

<210> 25345

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-F9

<400> 25345

cgtgctctaa cagtggatgt ggcattctgag aacattcgaa cttggacact ccagggggttt 60
 gatcagggga gaagcagcgg acgcagcgcga gctacgattt caccggagtc acgtcgtggt 120
 ttgcggccaa gtgcgacctc atccttctcc tgtttgatcc gcataagctg gacatcagcg 180
 atgagttcaa gcgtgtgata gggctctctcc gcgggcatga tgacaagata cgcatagttc 240
 tcaacaaggc cgaccaagtt gatgcacagc agctgatgag agtgtacgga gcactgctgt 300
 ggctcgctcgg gaaagtcctg aacacaccag aagtcatgcg tgtctacata ggttcattca 360
 acgacaagcc gatcagggag acagcggctg ggcc 394

<210> 25346
 <211> 456
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-G1
 <400> 25346

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 tggaagtctt cccaaaattc ttcattcgaag aacaattcca gttcttgagg cgactgggac 120
 gacccaggca agaaagatga gcctgcgaaa ccgcaccaga gcagtgactc ctgggctggc 180
 tgggatgatg ggaaggatga tggttttgat agccctagtt acaacaatca cagcacctcc 240
 aacaagggga gcaacaaaaa cgggacatcc ggtggcacat tttggacaga aggcggcttc 300
 cgctgaaacc agtctctttt ccatagagct atactttcag agttgttaca tgccaggaaa 360
 cgtgagggtc cagtggttgg tattatttgg gataacttaa cagtctggtg aaagggattg 420
 tgtgttttgt accatgtcta caacctgtat tatatc 456

<210> 25347
 <211> 389
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-053-Q1-K1-G10
 <400> 25347

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 agaacctatg ccgccctgtc acagacttgc tgcccattat cgccagcggc gtccgtggag 120

tcaccagcaa cccaacgatt ttccaaaagg ccatttcate gtccagcgca tatgatgac 180
 agttcaagca gtcattttcg gcaggaaagg atgcgagag cgcttactgg gaactcgta 240
 taaaggatat ccaagatgcg tgcaaaacttt ttgagcccat ctacgacgag actgatgggg 300
 ctgatgggta tgtctccgta gaggtgtctc ctaggttggc aaatgacact caaggaactg 360
 ttgaagcggc aaagtggta cacaaagtg 389

<210> 25348
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G11

<400> 25348

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 agactgtccc aggccaccaa tggcaccgag aacccaagg aggtgttcca cagcgtggcc 120
 aaggtggcgc tggagtcggt ccagacggcg gtcgagcagt ccaagtcgat cggcgaggcc 180
 aaggccagcg actccatgac cgagagcgcg cgcgaggact gcaagaagct cctggaggac 240
 gccgccgacg acctgagggg catgctcgag atggccggcg gcgacatcaa ggtgctgttc 300
 agccggtccg acgacctcga gacctggctc acgggcgtca tgacgttcat ggacacctgc 360
 gtcgacggct tcgtcgacga gaagct 386

<210> 25349
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G12

<400> 25349

ggcagagctt cagcgacgga cgaggaggac gtgccggtgc agcagcggtt catctggtca 60
 gggaagagaa agatgcggcg cctttttcac gactccatct ctcttctgga ttactctcag 120
 tgctgcagcg taaactcgca attcctcct gtaaaagctg gagcttttct gagcgtgtac 180
 gtgcgttggg ggaacttggg cccccacca agatctcacc tatctgcact gggctggcca 240
 gctgggcccg tcgccaaacca ccgtgctttt gcgtcgccgc ataacttgg ctaagcgtga 300

actttgtcac aacaaccacg tttggcgttt ccatgct

337

<210> 25350

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E5

<400> 25350

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ggagcagcta gctggtagtg gagatggata tggatgatg gggagaacta cgtacgtgcg 120

tacgtggaaa gaacaaatta aagtagtcat tttactcgcg cagagagaga aaagctttgt 180

gagatggatc gtcaccagct agcttgcgtc gtcgctgacg gcgatgataa gcaaataaca 240

ttttacacgc agacagcagt agtaacagca aatcgcgacc caccctccgc cgcgaccgcc 300

atcgcgcca cggtacagcg tacagtcgtc ctggctcgccg tcgctcgccc acctcatcaa 360

gatcaggctt tggccatgtc cttgcccgcg tcaactcctt cgccaacccc agaccacccc 420

agagaggcta gagcgaggcc gcaggcggcg gctgtggat 459

<210> 25351

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D2

<400> 25351

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ggagggcgaa cgaaacccta ggatcagggg ggctccgggc atcgctgctc gaccccatg 120

acgtcctgcg ggtgcctgat gctcgagaag gtggagggcg acgctcggc gaagacgagg 180

gtgaaggccg cgccggggcg cggtgccggc gcctgggtg gctcgtgctc tggggactgg 240

cggggccggg cagaggccat cttccccatc tacgtgatgg ggagctcgcg ggagagcacc 300

gtggcgggcg cgcgcgccat agtcgactcc cccgaggacc ccatatgggt tgccgtcaag 360

gcggaggcca agtctgaggc agaaaaggaa cctatattga gtagcttctt gtatgccagt 420

gtgctgtctc atgactgcct agagcgtgca ttgagcttcg 460

<210> 25352
<211> 441
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-D3

<400> 25352

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ggcagagaaa ctaataaaac tctcgccgcc gccatccgag cgaacaagcc aaccgacccc 120
gtccccaagg caatccgccg ccgacgtacc accaccaccg caggagcgag atggagatga 180
agaggatcct cttecgccgtc ctctgtctca tgcgcgcctc ggccaccgca gtgctggcct 240
ccaccgaggc cgccgcccgcg ggcgccccaa ctgcctccga gtctgtccgc gaggctcccc 300
ctggcgctgg cgctggcgct gccgctggcg ccgncgncctc ggggcccctcc gccagcagcg 360
gcgcgcccgc cctcgccgcc gcgcccgcg cgctcctctt ctccctcctc gcctactacc 420
tcactaagc gtgtgcgtgc g 441

<210> 25353
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-D4

<400> 25353

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ggagggatgt tctactcctg tcgacatgaa tggcaagctt tctggtactg agggggccacc 120
agttgatgat ccgactcact atcgaggtct tgctggcgca ctgcaatata tcactttcac 180
tcggcctgac atttctatg ctgttcagca agtttgtcta cacatgcatg atcctcgggg 240
accacattat acgttgatca aacgtattct tcgctatctg catgggacat tggatcatgg 300
cttacatctt cgccccacag atgtttctgc tttggttgcc tactctgatg ctgattgngc 360
cggttgtcct gacaccgcgtc gttcgacctc tgggtatgct gtttttcttg gtgataacct 420
catctcttgg tcatccaagc atcaacctac tatt 454

<210> 25354
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-D5

 <400> 25354

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 ggataaccta aagagatatg aaacccaaac cactgaccac agcgtcctgt taacactctg 120
 ctatggaact ttctctcata ctctgcacg gatcttcatt cctcaaaacc tagcacctga 180
 gcttcatgat tccattacag aatacatccc accactactg actgataatc cactacaaag 240
 agtcgtaat cccaatcta ctgctcaact acgccaaaaa catcatctag gaattgctcc 300
 ataccgactg gatctggcgg catatgacac tataccaagt cgcacgcacc catgacactt 360
 ctttttcgct gtcttatata caactgcttc ttcgagtacg cacctacaca at 412

<210> 25355
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-D7

 <400> 25355

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 gatcatgata gccgcccggga ctatctccat catcatcata ctcatcgcca tgggcagcgc 120
 cgcggtcatg tacagcggga agaagtcgtc cagcgacggt ggccacaagt ctgcttccaa 180
 aggcaagtcg agcggcgggt cagactcgga ctcgggagcg gaagcgggaag cggaatcgga 240
 agcggaatcg gaatcgggggt cggaatcgaa gacgaatctg aaggccgtgt ccaagagcat 300
 caaggcgatg tgctcgcaga cggactacac ggacgcgtgc gagaagagcc ttggcaaggc 360
 cggaacgcc agctcgtcgt cgccaagga catcatccgc agcgccgtcg aggtgatcgg 420
 cgacgcgatc ggccaggcgt tcgaccgcgc cgatctgatc ctg 463

<210> 25356
 <211> 463
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D8

<400> 25356

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gctctatcgc ccatcaactg ttaccacgga atacagagaa catgtgaaag atctttcttg 120

cgtgtcaaaa gatttcggca ggattgtcat tgctgacaac aatccgttca gtttcattct 180

tcagcctttg aatggaatac cttgtgttcc attttcagct ggacaacatt ctgatgacca 240

gctcatgatg gttatatttc cactcctgaa gcacttttct ctccagaaag atgtcagacc 300

tgtattgcat gaaaggtttc atatgccaga atgggtccaa aagcatggga tccccaaac 360

taatcagtct gtgtaagttt tgctgccctt gttttgatga acgctgtgcc tattatgcta 420

taagccccctt aaggagagac acttgatat tattatcaat att 463

<210> 25357

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D9

<400> 25357

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ccaccaccgg caccggtcag ctcaccacca cctccagtga agtcaccgcc acctccagca 180

ccggtcagct caccaccacc tccagtgaag tcaccgacac ctccagcacc agcgagctca 240

ccaccacctc cagtgaagtc tcctccgaca ccagcaccag ttagctaccc accaccccca 300

ataaaatctc ctctccacc ggcaccagtt agctctctc caccagcacc agtgaagcca 360

ccatcactac caccaccggc ccagtaagc tcacctcctt 400

<210> 25358

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E1

<400> 25358

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ggaggggtata ttcggtggag acttgagagt acgtgagaaa gagagagggtt acgaagagtg 120

attatatata taatccgctg gtttgtatct tctttcttct ttggatcatc aaaaaaccaa 180

ccgatgtaat tattattaga ccgacgcctc acaatcttgg aacttattca ttatgctagt 240

gtatatctgt aatcccatc cataatgtta atgttgattt gtggtcacgt ttcaatgaga 300

aaaaaataat tgccagtgc aaaaataat 328

<210> 25359

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E10

<400> 25359

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ggccgctgtg aatgcgccca tgggtcccagc tgagatcctg tcagagctgg ctccatatgt 120

ttctctggcc gagaagctcg ggaggctggc ggtgcagctc gtggccggcg agagcggcat 180

caagggcgtg aaggtggtgt acaccacagc gcgtggcccc gacgacctgg aactcggct 240

cctccgcgcg atggtgacca agggcctggt ggagccggtg tccagcacgt tcgtgaacct 300

ggtgaacgcg gactacacgg ccaagcagcg cggcctccgc ctcacggagg agcgcgtggc 360

gcacgacagc cccgcggcgg aggcgcgcg 389

<210> 25360

<211> 376

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-E11

<400> 25360

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tgcggtgctc ttctacatcc tcgccgttgc tgccctcagc gcggccgagg ccccggcaga 120

gtcaccgaag gaaggcagtg ctgccaaggc acctgagtct gccaaagagaa ctgctgcccc 180

cgctgaagca cccgaagccg catccacccc cgtcgccgcc gctgccccat cgccgctcgtc 240
taggaagtct ggtccagcta ccgcgccagc caccgcctct acacccccctt cttccacgga 300
cgaggagttg agcccttccc cgccagcatc caccgccgcy gcgtccccctg cggctgangg 360
accggctgct gatgac 376

<210> 25361
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E12

<400> 25361

cagagaacgg actaggtgcy tgctctgcgc tgacaagagc agcggcaggc aggtcgtcgg 60
tgcgcttgg gtggtgaata attgaagaag aagaagaggc ggagacttga gcaggatgatg 120
tcttcgctgc caggaggctt cctgtgcgtg cgcgtcctgc gcgggatcga cctcgtcagc 180
tgcgacgcca agggcagcga cccctacgtc gtgctcagcc tggatggaca gaaactgaag 240
acgagcgtga tgaagaagac ggtgaacccg ttgtggaacg aggacctcac cttggccgctc 300
atggacgcgt cggcgcccat caagctagag gtcttcgaca aggacacggt cagcaaggac 360
gacatgatgg gggacgcgga gttcgacgtg ga 392

<210> 25362
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-E2

<400> 25362

gaaggagcag cacttcgtgc ttgttcatgg cgaagggcat ggggcctggt gctggttcaa 60
ggtgggctgg ctccctcagag gcgctggcca ccgtgtcacg tgcgttgacc tggccggagg 120
cggcgctgat cctaccgacc ccaacacat cgggtccttc aagcagtacg acaagccgct 180
catagacctc atctccaact tgccagacgg agagaaggty attctgatcg gacatggcgc 240
tgaggggctg agtgtgatcc atgcaatgca tgaatttgtt gacaggatcg gtcaagcatt 300
tttcgtggcc gccacaatgc tgccgtttgg atttcaagcc gatgaagata agaacgatgt 360

[illegible]

<210> 25367
 <211> 465
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-B8

 <400> 25367

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 cggcaccgca gagctagcta ccgacgaaga caaggcgggc aatggccaag gcgcccctgc 120
 cgcttccgtc gctgctcgtc ctcgccgcct tcttcttcca ccaccctgc tgcacggcgc 180
 agggccgcgc cgaaaacatc tcggaggtcg aggcgcgggt ccgcgcccgc gcgtccgagc 240
 tgctccgcga cgccaccagc cagctcgtcg acctgccct cccggccaac ctctccggcg 300
 cgggcgtccg ggcctcggcc ctcagcgtgc gcagcaacgc gctctgggcc ggcggcgtca 360
 acaccaccgg cttcaccgtc ccgcgcgcgc tcgtgccggc cccgttcgcg cgccgnctcg 420
 ccatcgtctt cgagctcttc gtgggaaact cgacngccgc gttcg 465

<210> 25368
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-B9

 <400> 25368

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 ggcggcgctg cgcgaggcat tggcgcgga gcaagcggcg ctcgccgacg tccaggcgga 120
 gctcgacgcg gagcgcgagg ccgcggccgg cgccgccagc gaggccatga ccatgatcct 180
 ccgcttgacg cgcgagaagg ctgaggccat gatggaggca cgccagttcc gccgctacgc 240
 cgaagagaag atggcccacg acgcccgcga gctcgcggcc ctcgaggagg ctctctcgaa 300
 gcgtgaggcc gggatgcggg cgctccaggg ccagacgccc cgtcacgcct gcgccgtgcc 360
 gtcggggggc tccacccac gacgccctc tgt 393

<210> 25369
 <211> 456
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C1

<400> 25369

cctcgtcgac gtctcactca ccccgccctc acgcctccct caccaaataa ggtccccgcc 60

gtttgggaca ttcacagggg ggacaggaaa tcagcggcca tggcctcgat tccggcgacy 120

accttcgccg tcatcttata cgtcctcttc tgtgccggcg ctggcaccgc cgtcgacaac 180

gacctccccg actacgtcat ccagggccgc gtctactgcg acacctgccg cgccgggttc 240

gtgaccaatg tcaccgagta catcgcgggc gccaaagtga ggctggagtg caagcacttc 300

tgcaccggca agctcgagcg ctccatcgac ggtgtgaccg acgcgaacgg cacgtacacg 360

atcgagctca aggacagcca cgaggaggac atctgctagg tggctcttgg ggagagcccg 420

cgcaaggact gcgaccaggt gcatgcggaac agggac 456

<210> 25370

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C10

<400> 25370

gtgctactcc gccgcgccgc ggcgctcctc gtgcgtcgctg ctgtctgcgc ggacggcgcc 60

gccacgttct actcctccga ccccaacctc ggatccgcgc gcgtcgtctt ccagacgaat 120

tttggtgata ttgagtttgg tttctttcct catgttgac ctaagactgt cgagcacatt 180

ttcaaacttg tgcggcttgg atgctacaac acaaatcact tcttccgggt tgacaagggt 240

ttcgttgcac aagttgctga tggttatgtca ggtcgaaccg cccctatgaa tgaggagcag 300

aaaaaagaag cggagaaaaac aattgttggt gaatttagta gtgtcaagca tgtcagggga 360

atcctcteca tgggaaggca ctctgatcca g 391

<210> 25371

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C11

<400> 25371

cccacgcgtc cgcccacgcg tccgctcacg tttgcgatta ctctcttgga caactggcca 60

gggtcgtctt tcacaatgga cggttacata tatatccata catcttataa caaacttcaa 120

tataaaagtc acatagattt aataattagg aaaaagaagt cataacacta taagatcact 180

ggcttacatt ttgccccctt aaactaatca caacttctga ttacttctgc ggattctaga 240

atactacttg ttaacgtcga ctaattcggt cacagccacc acaaactaaa gatatagagc 300

tataataatg ataagcacia acattaccct ccaatattaa tgctgat 347

<210> 25372

<211> 393

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C12

<400> 25372

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ggtactgctc ggtctccgcc tgctgcttct ggttggtgtt gcgcaggcgg tagtgagatt 120

ggtgcctgct gatgataata tcgccgccgc cgctgctggc acggcggtgg acgatggcga 180

gccgcctcag cagtgcgcga ccccggtgag cgtggaggag gcgtgccgcg gcgcgtccga 240

gacgcacgcc ggcgtggcct acgaccactg catggcgctc ctgggcgccg acccgcgagc 300

caaggaggcc ggcaacaaga acatgcacgg gctggcggtg ctggccacca ggatggccat 360

cgaccacgcc gncagcaccg agtccaagat cga 393

<210> 25373

<211> 468

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-053-Q1-K1-C2

<400> 25373

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ggccggcttc agcaactact tcacggacgc cttctggtcg caccgcgcgc tcaacggcac 120

cttccacggg cgccgccc at gctacttcaa cacgggcgtc atgggtcatgg acgtcgacaa 180
 gtggcgcgcc ggccgggtaca cgccgggggt ggaggagtgg atggccgtgc agaagcggcg 240
 gcggatctac cacctcggtt cgctgccgcc gttcctgctc gtcttcgccg gccacatccg 300
 ggccgtggac caccgggtgga accagcacgg gctcggcgcc gacaacgtcg agggccgctg 360
 ccgggggtctt catccgggcc ctatcagcct ncttactgg agcggcaagg gcaagccgtg 420
 gctacgntc gacgcccgc ggccgtgctc tgtggactac ctatggg 468

<210> 25374
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C3

<400> 25374

ggactagcat gcagtcgag ctcaccgagc agggccgcaa aggtcgcaag atatacgtag 60
 cgtcgggtctt ctccggcgac tagcccacca tctctagcgc cgctgatgag gctgatctcg 120
 ctgggtctcca gagaccgacg gcgtccagcg gtggccggag gagtcctgtg ttcttcgttt 180
 ccttaggtgt acttatgtgg gttttgggggt ggcaagagag tttttttttt gtgaactctg 240
 gtgtatcgga tcaagtgaat atgtacctac atgttgtgtt ctttaattctg cattgtacag 300
 ctatacacta tacaagggtg cggggaatgct gaggtgtaac ttccatgcaa tatacttagt 360
 tctattcatc taatcatcaa actatcagca actttt 396

<210> 25375
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-C4

<400> 25375

gggtgtctcc gcccggtgag tcacgggctt cctcgtcgcc ggggctccc tcgcccgcgc 60
 ggtctcngat ggccggcgga tggcgggcgc tgtgtacggg tacgcgcgcg ngagcccaaa 120
 cgggcccggag aactggggga agctgagccc cgcggtacaag ctgtgccccg aggggaagca 180
 gcagtcctcg atcgacatcg tcaccaagca ggccgtcccc gccgccagcc tcgacaccct 240

caatcgacc tacggcgcca ccaacgccac gctcatcaac gatggccacg acatcacgct 300
ggcgctggag ggcaagggtg ggacggtgac ggtgaacggc aaggcgtaga gcttcgagaa 360
gctgcactgg cacttcgcct ccgaccacac catcaacggc cagagggtcc cgctggagct 420
gcacctgggc cac 433

<210> 25376
<211> 175
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C5

<400> 25376

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tatttttttt agggacagtt ttattctatc attctcagtg atcaatactc ctactatac 120
ataatatagc aatactatta ttaatacaaa cctcaattta atgatcctct atcaa 175

<210> 25377
<211> 463
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-C6

<400> 25377

gaccacgcg tccggcaaga gcaagcaaga gaggacgaca tggcgggcgcc acggagcctg 60
ggggaccgcg cgctgcgcgg cgtggcggac ctgataaagc tgctcccgag cggcacggtg 120
ttcctgttcc agttcctgag cccgctggcg agcaacaacg ggcaactgcgc cacgctgaac 180
aaggcgctga gcggggcgct ggtggcgctg tgcgggcgct cctgcgcctt ctctgcttc 240
accgacagct acgtgggcgc ggacgggcgc gtgtactacg gcgtggtgac gcggcggggc 300
ttgcgcacct tcacgcccga cccggacgcc gatcgccggg acctgtcggc gtaccgcctc 360
cgcgccggcg atttcgcgca cgccgcgctc tcgctgctcg tcttcggcac cctcgcgctc 420
ctcgacgcg acaccgtcgc ctgcctctac ccggtgctgg agc 463

<210> 25378
<211> 295

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-C7

 <400> 25378

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 gttgacgcgc cggcgccggc gcccgccgcc cgcgccaaga ttcattaatt gattattaat 120
 tcgttgatta atccgcggag cgccatacat atctcgatcc atattgtatt tgtttgttta 180
 tagtatatat cgatgtgggg tacgtttata tgtacctgcc attgtcattt cattaataaaa 240
 aaaaacaaat acaaaaataa aaacagaaaa ataatccata aaaatataaa taaaa .295

<210> 25379
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-053-Q1-K1-C8

 <400> 25379

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 acatgggctg ctaagacttg cccctcctcc atccacatcg gttggaagag ggcgcggtag 180
 aaatcaagga cagtccgcac tctcccgcgc atcaaggcct catgccaaact cggtatcagg 240
 acaacaacct atcctggatt tactctagta agagatggtc gcatctgttc ttcgcgttcg 300
 gattgtcaat gtgtacatcc tcaaaccttt gtaaggactg ggggttcaac tgcagtgggtg 360
 ctgtgagccg tgcattgcgat ggacaactct cctatcgagc attttcatca attcgctaca 420
 cggccctaca tcnctgtgcc tgtgtgtgta ccactag 457

<210> 25380
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-053-Q1-K1-C9

 <400> 25380

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 tggctgtggt gttggtgttc ttggtgagcg gcgcattggt cggtcctccc aaagtcccc 120
 caggcaagaa catcacggcc acctatggca aggactggct ggacgctaaa gcgacatggt 180
 atggcaagcc gactggtgcc ggtcccgcg acaacggtg tggctgcggg tacaaggacg 240
 tgaacaagcc ccccttcaat agcatggcg catgcggcaa catcccatc ttcaaggatg 300
 gtctgggttg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360
 agcccgtggt ggtgcacatc acggacatga actatga 397

<210> 25381

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B5

<400> 25381

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 ccatggagat gaagaaggtc ctctgcgcg ccctcgtcgc cgccgcctcg gccaccgccg 180
 tgctggcctc ggtcgccctc gaggcgcct ccgaggcgcc cgccggcgcg gccggtggtg 240
 cggctggccc tagcgcaagc ggcgcgcgcg ccgcgcgcgt gcccgccgcg gggcgctcg 300
 tcgcctcctt cctcgctac tacctccact gagcgacgac gcgcggggcg gcaacgttgg 360
 gatgcatcgt gtttggttca tccgattaat taattgtttt ttttatttac gtggtttgcg 420
 attggttaat tggttgtttg ttcgttcgtt tcgtggcgt gtga 464

<210> 25382

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A12

<400> 25382

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 agttctgatc caagatgtat ctccagtatt acatcaatga gaagggggac aaggtctaca 120

ccaccaagaa ggagtcacct cttgggggtgc cgacgcagtc tgctcaccca gctcgcttct 180
caccagatga caagtactct cgccagcggg acctgttgaa gaagagattt ggactttctgc 240
caacgcagaa gccagcactg aaaataggta tctgaggaaa catatcaaac actgctaggc 300
actactatga catctcagcg cattcaggca ctatatgtaa tgctatgtgt ttgacaggtc 360
tcaagtgcta atcaaggagg gtaacagctt tg 392

<210> 25383
<211> 449
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-A2

<400> 25383

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cgaccgctgg gagctgccga gcctggcgcg cgtcgttggc gagcgcgagt ggtacttctt 120
cgtgccccgc gacggcggcg ggcgggcggc caagcagcag cccggctccg gcggccggcc 180
tagccgcacc acggagcgcg ggttctggaa ggccacggg tccgaccgcg ccgtgcggtg 240
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cgcgccgcgg ggcaccaaga cggactgggt catgaacgag taccgncttc ccgacgctgc 360
cgacgctagc agcgacgcgc gcgtgccgca ngtggacgtg gtgctgtgca aggtctaccg 420
caaggccgtg tcgctcaagg agctggagc 449

<210> 25384
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A3

<400> 25384

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agcagggtgga ggatggccgc acccttgccg attacaacat ccagaaggag agcacccttc 120
acctggtgct ccgtctcagg ggtggcatgc agatctttgt gaagacactc actggcaaga 180
caatcaccct tgagggtggag tcttcggata ccattgacaa tgtcaaggcc aagatccagg 240

acaaggaggg catcccaccg gaccagcagc gcctcatctt cgccggcaag cagctggagg 300
atggccgcac cctggcggac tacaacatcc agaaggagag caccctccac ctggtgctcc 360
gcctcatggg tggcatgcag atttttgtga agacattgac tggcaagacc atcaccttgg 420
aggtggagag ctctgacacc attgacaatg tgaaggccaa gatccag 467

<210> 25385
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A4

<400> 25385

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cgcacgcata gtatctccta gagcctcatc tectccctct ctcgagccaa gagcagagca 120
gctaccaaac aagctctact ttcgcttccg atccatggag ctcgacgccg acaacctgag 180
cgccaccgag ctccgactcg gcctgcctgg gaccagcagc agcagcagcg acgactggca 240
gaagaagccg tcgccctccg tcggggccaa gcgcgctctg gacgacggca ccaagagcga 300
ggcctcgggg accagcccgg acgacagaga cctcgacttc gaccacgacc acgacaccgt 360
cgagccttcc aaggcgcaag tggtc 385

<210> 25386
<211> 64
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A5

<400> 25386

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ggga 64

<210> 25387
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A6

<400> 25387

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gcgagggtggc gatggctatg gcgttggcgt tcttgggtgag cggcgcttgg tgcggtcctc 120
ccaaggtccc ccctggcaag aacatcacag ccacctatgg caaggactgg ctggacgcta 180
aagcgacatg gtatggcaag ccgacgggtg ccggtcccgga tgacaacggc ggcggctgcg 240
ggtacaagga cgtgaacaag ccccccttca atagcatggg cgcgtgcggc aacatcccca 300
tcttcaagga tggctctgggt tgtgggtcct gctttgagat caagtgcgat aagcctgtgg 360
agtgtccgg caagcccgtg gtggtgcaca tcacggacat gaactatgag cctatcgcgg 420
cgtaccactt cgatttggca ggcacggcgt tcg 453

<210> 25388

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A8

<400> 25388

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ggctttttca agactaatgc tgatgggaac acaacatgtg ccaaggaaat gacaaagctc 120
tctggcatct ctgaaatcat ccccgagatg gagatctgcg attttgactt tgaaccctgt 180
ggctactcca tgaatgcgat ccattggctct gcattctcca caatccatgt gacgcccag 240
gacggtttca gctatgccag ttatgaggtt atgggcttgg atgccactgc tctgtcttat 300
ggtgaccttg tcaagagggt ccttcgggtg tttggcccct cggagttttc cgttgccgtg 360
accatcttca gcgggcgtgg ccattgccggg acatggggaa aggcacttgg tgcagaggtc 420
tatgactgca acaacatggt 440

<210> 25389

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A9

<400> 25389

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cttgtttgcg cctcgccgtt gattgatgcg ctactcatc tcacatgggt gggactcttt 60
gctcttgagg caccacctgt ctagtgggag ctactccagc ctctagacac caactccagc 120
gcccccgat ggaacaacaa ctccaccctc actgtctgga cagcaagatt cattcacctg 180
tcatatagtt tcatcgatga atctgaaact tttattgttc ctgtgttgcc cctatccaaa 240
ggtcatgttc cttggatcaa ctgtaagggtg aaccttttat cctgatatta tgatgtgggt 300
atgtattcta ttttctcaac agtaggagta cattctaaag atcatagggt agaaatcttg 360
cgccataaga tagctgctaa agaaaatgaa ctaaaagg 398

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<210>      25390
<211>      463
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-053-Q1-K1-B1

<400>      25390

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cccacgcgtc cgcaagaccg tcgaccagta ctatgtcgga tccaacaaca gcatccaggg 60
cgcggtgcgtg atgaacaccc tcgactccgt ggctcgacgcg ctcgccaggg accccgcccg 120
caagttcgtc gtcgtcgagc aggttttttt ccaaagggtg tgggcagaga aaatcccaaa 180
cattcaggca gtagtccgca agctcgtgga ttcgggtcag ctagagttca taaatgggtg 240
atgggtgcatg catgatgaag ctgctgtcca ttatattgac atgattgatc agaccacgct 300
tggtcaccgg atgatcaaga aacaattcaa caagactcca agagctggct ggcaaatcga 360
tccttttgga cattctgcag ttcaagctta tttgcttgga gcagagcttg gcttcgattc 420
tttgcatttt gcaagaatcg attaccaaga taaggaaaaa gcg 463

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<210>      25391
<211>      389
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-053-Q1-K1-B10

<400>      25391

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gattgaggtg gcatcaggac agacataggt ggctgggatg ggagttcttg cctatttctg 60
tggccaggca acaatgttaa ataaaaggaa tgtgttatat tgtgctttca agatgataaa 120

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ttgtggcaac caggttttga ttatgtaggc aatattttga caagctactc ttatccagca 180
tgaatgactt catgttagtg cgattgagta gatgttttac ttctgttgcc atcaccagtt 240
caacgctgta ctttcaattg attcgggtccc gtgttttcta gtttgcggtg ttacagatga 300
atttgactta agttttattg ataattctat ttgtattgct tgcaattaga aattgcaatg 360
tgggtttttg gatgtatcta cgtgccacc 389

<210> 25392

<211> 399

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B11

<400> 25392

accacgcgtc cgacctcaga cagacttcct gagagccatc tcagtcgct ggcagcagat 60
gtacgatctg ttatgagacg acgtatttag ggatgtgtag gatgaagagg tgctgcgagc 120
cactcatagg cgactctggc aacgctgagc tggctgctga agctcctgct gcctataccg 180
gcaatggcta caccaggcc ttgaacgtcg tcaaggggtg caactctggc tccgtcttaa 240
cgacctacat tatctgaacg tccgtgacat gagaccgacc caagagcatg ataacagcta 300
gggaccagag actcggaata atcagcacta ctctgatgat caagctcgat cagcagcaa 360
atgctgaagt atgccctcac accacaatcg gcgatgaac 399

<210> 25393

<211> 395

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B12

<400> 25393

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cccgcggggc ggaacaggga cgggtcctcc gaccccgctg cccactcgga gtccgtgaag 120
gtgttcatgc cgaagtggaa gaacatgac acctcgcggc gctgccatct cagctgcggc 180
gccgacggga tcggcagcac cggcagcggc ggtggagtcg cgcgccacgc ctctgtcgcg 240
gagacgagga cggctacggc cagcgccgcg gcggccaggc acagcagcgg gcttgccatc 300

gtgctgctgt tattgtcact tctctgctcg cgatggctaa gtgtagcggg atatactggc 360
ccaggcctgt agctgtaggg agggggagat gcgtt 395

<210> 25394
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-053-Q1-K1-B2

<400> 25394

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cgctgccgc cggatgatgcc tgacgccagg cgctccatgg acgggagcag caccctgccg 120
gagctcacca cgcgcccacc gttccgcgag cgctcgtcc cgtcctcggc caccaagaac 180
gtcgtcgtcc tgccgggaaa ggactactcc gaggcgcct cccgctccgc gaggcacgac 240
tcgttcggcg ggcacctcga cttcggcccc agcacgcgt tctcctccat ggacttcggc 300
gacaacctcg acctcactgc cagccccgct cgggagccca tgtcaccggc caccggcgcg 360
caacgggata ttgaggtcga gatgcggcgc ctncggctgg aactcaagca gaccatggac 420
atgtacaacg cggcgtg 437

<210> 25395
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B3

<400> 25395

cccacgcgtc cggatgtatc aaactgggtc cgttttatgc caaatgggtt caaatctgta 60
gggactggag ccacagtagt cttttttgca tatgttggat ttgatgcggg tgctaattct 120
gctgaggaag ccaaaaggcc acagagagac ctaccattg gtatactagg aagccttata 180
gcatgtgtgt tgttatacgt tgcgtgatgc ttggtcatta ctggaatggg tccatataca 240
ttacttggtg aagatgctcc tttggctgag gcttttgctg ctaagggcct gaaatttatt 300
actgtattga ttagtattgg agctgttgct ggacttaca caacacttct tgttggcttg 360

tatgttcagt cacgtttgta ctttggactt ggaagggatg ggcttttacc ttcagtattt 420
gctgaagtac acccaacaag gcatactcct gtacagtctc ag 462

<210> 25396
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A11
<400> 25396

cggacgcgtg ggtgcaaata ctttcttgc cttgccggca cagctctgca tagcgctcc 60
gaagcttttag gattaggatt tggatttga tttggatttg gatcgggtgt gtttcctgcg 120
taaccatgag cgagatcatg aagctaaagc gtgggatcag caccaaacca ggagaccacc 180
tcgtccaaaa tggccaacaa catccatgtc acgaatggga ggagcaacag cgctactggc 240
cctcgccgcg ggcgcgcgcg gcgagcccga cggagtcgcc caggacccca ggcgggagcc 300
agaagaaggc ggttctgggc aaggtgaaga gcaaggccaa gaaatggatg cacatgctgc 360
atcacaagaa gaaacccgcg ccaccggagg agatgat 397

<210> 25397
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G5
<400> 25397

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tggttggttg tgtggcgag gcggtggagt tggagatgga gttggtgcct gctgatgcaa 120
ttgcgatgac tatggatcat gagccgccgc aggagtgcgc gaccccggtg agcgtggagg 180
aggcgtgccg cggcgcgctg gagacgcacg ccggcgtggc ctacgaccac tgcattggcgt 240
cgctgggcgc cgacccgcgc agcaaggagg ccggcaacaa gaacatgcac gcgctggcgg 300
tgctggccac caggatggcc atcgaccacg ccgtcagcac cgagtccaag atcgacgacc 360
tcgcggagct ggaagcggcg tcgtcggatc cgcaggcgcg cgcacgcttc aaccactgcc 420
tggagcagta cggcggcgcg gtcgacc 447

<210> 25398
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-G6

 <400> 25398

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ggggaggtgc tgagctgcat ggggcacccc aacatggtgc tcctcctcgg cgcggtgccc 120
gagtacggat gtctcatgta cgagtacatg gccagcggca gcctggacga ctgcctgttc 180
cagcgctgcg gcgggcgctg cgggaccgtc atccgctggc agtaccagtt ccgcatgtgc 240
gccgagatcg cgacgggggt gatgttgctg caccagacca agccccgagc cgctgggtgca 300
cctgcacctc aagcccagga acatctgctg gaccgaacta cttgagcaag atcagcgact 360
tctggctggc gcggctcgtg cctccgtccg tcgncgacac cgtgacgcag taccgtatga 420
cgtgcaccgc ggtgaccttc tgctaca 447
  
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<210> 25399
 <211> 421
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-G9

 <400> 25399

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tcaagatcaa agaagtcgtc cacagaccct cggcgcacgt tctgccgccc gcatccccga 120
tccgcgcccgc aaccgcgagc cgtccggcaa acgcccgcac ctgcggtagc gccgcagccg 180
cggttttccat cctcctgcaa tcgccagcgc gccctccgcg ctcttgccgt gatccacfcc 240
tagatccccg aggcatgcgt caagggcggc ggtgaccatc tcagtgggca tccgctgttg 300
cgtcgcggcc gagcgggatg gcgtcgacaa ggtcaaatct cgccccactgc atcactttgc 360
gccaccccta gggtcctcgt gttgttgatc cccaacacag accaccagcc accgaggcgc 420
c 421
  
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<210> 25400
<211> 453
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-H1

<400> 25400

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ggctttgaat gcttcgagcc cgttaacaat caaggcagtc aagggcccgcc catcttctctt 120
tgcattaatt gtaagaggcg gatgcacgtt tgatgagaaa gtgaaaaatg cacaggatgc 180
tggattcaaa gctgcaattg tgtatgacaa tgaaaaataat ggggtgcctg gtttcatggc 240
tggaagctca agtggcatac acatatacgc tgatctcggt tcgaaggcct cangagaggt 300
gctgaagaaa tcttcaggac atactgatgt agagggtgtg atactaccta cattcgacaa 360
ctcagcctgg tcgatcatgg caatctcatt catatcgctg cttgccatgt ctgctgtatt 420
agctacgtgt ctctttgtga gaaggcatcg aat 453

<210> 25401
<211> 302
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H10

<400> 25401

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gggagaagct gaatggcagt aacgggatcg catgctcaag cagaccgatc tcgtccatgt 120
tcgtaatggt gtaactctac ctgtactgtc tgcaagggat cactgacgac atgtactcct 180
gataccggct tcacaaggaa gactcagtgg ttgctataac tatgtgtgtc gatatatgcg 240
aagactggct cccgatcacc ttgaacatcg atccatcctc tctctaagac gttctggaca 300
gt 302

<210> 25402
<211> 161
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H11

<400> 25402

ctctcgtact acataactcaa tcaactaacc cttctcatca accatcatca cacgcgcaac 60
cgatcccaac acgctcgacg agcactcccc atcttacgcc gacatctcca caccatgt 120
cgctcccgac gccactccaa tctcccttga cgctcgccgat c 161

<210> 25403

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-H2

<400> 25403

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ggcctgcatt gtgctcgcca cggcgatgct agctacacta ttcgcggttg gtttgtgcac 120
caccgcgtc accttacagg tcggtaaggg atccaagcct ggccacctga tcctcacccc 180
gaacgttgcc accatatccg acgtggagat caaagagcat ggtggcgatg acttctcctt 240
tacgctgaag gagggcccga ccggcacctg tacactcgac accaaggccc cgctcaagta 300
ccccctttgc atccgctttg ctgtcaagtc tgggtggctac cgcacgccc acgacgtcat 360
ccccgccgat ttaaggctgg caccacttat atgacgacac tcagcatcta atcagcatct 420
gaagatgaac tatatttcaa agagctcatc tggcgca 457

<210> 25404

<211> 278

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H3

<400> 25404

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ggcttggtt gcctatggac ggtgaaacta ggtgcactgt tcgagaatga aacgtacatt 120
agcatactca acttatacca caaactgttt tcaaaaaccg gtgactttat ccgcgctgca 180
aacattgaaa ccatatacga cgtatgacat caaagatcat ggtggccatg acttcaactt 240

tacactctaa gagggccatg cacatctcct gtacactc

278

<210> 25405

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H4

<400> 25405

tcgcccacgc gtccgcccac gcgccgctt atgtgaagct gcctgactac aattctggaa 60
agggtggaggt gcaatacttc catgagaatg caacttttgc tactgttggt ggcacgaagc 120
cgactcctgt gattgatctt tctgggacag taagtgtca aggagttgca tttggtgcat 180
aagctgggta tgacactgct acaggaaaat ttaccaagta cactgctgca attggtgtaa 240
ccaagccaga ctaccatgct gcattcattc tggcggacaa aggtgacacc attaaagtgt 300
cagggtgttta tcaccttgat gagaaacaga aggccctcagc tgtggctgag ctaacccgga 360
ggctcttaac aaatcagaac acactcacag tctgtggact gtacac 406

<210> 25406

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H5

<400> 25406

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aggcatgact acaagccgaa gcctacgct gatgccgcca ccgcgcgaa ctactcgtcg 120
ttgtggtcgc ccaagcgct catgcagcgc gctgcccgcg ctttacgccg cagtacgtcg 180
ctcgcccgt tcaggacggt caaggacctc gccgaggaac gggcctcagt gctcgccggc 240
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aagaccttca tcagcaacta tgcccgcgac ggcgcatgg tcagctgtgc ttgacgagct 360
gaggctgctg caccacgatg actataatcc tgagatcggt cgcgtgaaga tcatactcga 420
tgacgcgttt cctgtcgatg ctgcttag 448

<210> 25407
 <211> 347
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H6

 <400> 25407

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 gtcgacccga agccgatccc gggcgactgg aacggcgccg gcgcgcacac caactacagc 120
 acggagtcga tgaggaagga gggcggttac taggtgatca atgcggccat cgagaagctg 180
 aagctgcggc acagggagca catcgcggca tacggcgagg gcaacgagcg ccggctcacc 240
 ggcaggcacg agaccgccga catcaacacg ttcagctggg gcgtggccaa ccgcggcgcg 300
 tcggtgcgcg tgggcccggga gacggatcag aacggcaagg gctactt 347

<210> 25408
 <211> 438
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H7

 <400> 25408

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 acggagtcga tgaagaagga ggtcgtatac taggtgatca atgcggccat cgagaagctg 180
 aagctgcggc acatgtagca catcgcggca tactgcgagg gcaactagcg ccggctcacc 240
 gtcattcacg agacctccta catcaacacg ttcagctggg gcgtgaccaa ccgatgcgcg 300
 tcaatgctcg tgttccgata gacggatcat atcgacaagg tctacttcta ggaccgtcgc 360
 ccagcatcca acatggaccc atacgtggtc acctacatga tctccgaaac caccatcatc 420
 tggaagccct gaggtcta 438

<210> 25409
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-H8

<400> 25409

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cggcgacaac ggaccacgac tacgatctcc gtagtcgggg acctgctcac ttgggcatta 180

cagcccttga cattgactga tacaaatctc tgggccctcg tttgtcttat gttaccactt 240

accagaattg caatcgatag tgacatctct tggatatattc atgaagactt acacgagttg 300

tgatagctag cttggataga cagaatgcc caggtgtggc tgagctaacc cgggagctct 360

caacaaatca gaacacactc acagtcggtg gactggacac aagtgatccc cagacagctt 420

tg 422

<210> 25410

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H9

<400> 25410

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gcgcggcacg ctcttcgggt accgcgacgg ccgcgtgtcg ctgtcgctgc agcagaacgc 120

gcggtgccag cccacgctgg tggtcgagct ggcgtcccg acgcacgcgc tgctccgcga 180

gctcggcgcc cagcggggcg cgcgcatcgt gctggaggtc gagaagcgcg ccgagcaggg 240

caccgtcgac ggcaacgagg ccatcgtcac caccgaccac gacgggtggg tgctggagga 300

gctcatgtgg accatgttct gcaacggcaa gaggtgtggc tacgcggtgc ggcgggaccc 360

caccgaggag gacatcgccg tgctggagac gctgtgggccc gtctccatgg gcggcggcgt 420

gctccccggc aggtcggaca tgga 444

<210> 25411

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A10

<400> 25411

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ggggttcct	ttttactggc	cccccttttt	cctcctcttc	tttttacttt	gttgactttt	180
tttttttggt	cccttgattt	cttttttcct	ccctcgcttt	tacaaaacct	gtggttgaac	240
tccctttggt	tccctacttt	taattccctt	tttcccatcc	ccttttttcc	cggttggggt	300
atttcccaat	ggcccttccc	cttttgtctt	tccccgcatt	tgctaatacat	aattgccttt	360
tggccccc						369

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<210>      25412
<211>      455
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-052-Q1-K1-G3
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<400>      25412
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<210>      25413
<211>      281
<212>      DNA
<213>      Zea mays

<223>      Clone ID: LIB3066-052-Q1-K1-F10

<400>      25413
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acacgcatgc atcctactac atacaacaac acttaccga ttgactatac tacaccgatc 180
 aactgtctct tccctgccag gcctgtatac ttatatgcat ctgactaaat caaatcttcc 240
 atgcttctac gctgacgctt gcgactcccc aaacttctac g 281

<210> 25414
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-F11
 <400> 25414

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 ggtggcatct gaagctggtg gtataacaca aggggaattgg agcatatcag gttctttttac 120
 cagtagatgg aaaccatcaa gcctgtgttt ttctggatac tccaggacat gaggcgtttg 180
 gtgcaatgag agctcgagga gctagagtaa ccgatatctg tattgttgtt gttgctgcgg 240
 atgatggtgt tcggccacaa acaagtgagg caattgcaca tgcaagggca gcaggggtgc 300
 caattataat agcaataaac aagatagaca aggagggagc taatgcagaa cgagttatgc 360
 aagaactttc ccaaattggg ataatgccag aaatgtgggg tggatgatac ccaatgatcg 420
 agataagtgc tcttactggg gataat 446

<210> 25415
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-F12
 <400> 25415

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 agagaagaga tgctatcact gctgcgcatg tgtggatact tcaggacact atgcatgtgg 180
 ctcatcttga gctgcaaccg ctagctgacc cgctgtccga actggtgtgg tccatgcaga 240
 gtatcgagct catgcacgac acagataaag caagttcacg tgctaggaca cgtggcgtgt 300
 cctgtatggt cactattcac aggatcatcg tggcataagc tctgcatac atacttatgc 360

tagatctttc ccaatttact ataccgctg aagaggata

399

<210> 25416
<211> 66
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F2

<400> 25416

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cggaag 66

<210> 25417
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-F3

<400> 25417

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aacaaatatt tcaaggcgat cgtgactgac gaagatgata tggagtcgat agcaaatacga 180

tttctgtcag ctgctatgaa gttggatcgt aaaccctcga agtgtgtggt gttcgaggat 240

gacccaaggg gcgtgacaga cgcccacaac tgtactatga tggcagtcgc attgattggt 300

gctcatacag cgtatgagtt ggtacacgca gaccttgcca ttgcaaagta cagcgagctc 360

tcagtgatca acctcagaag gctgtttgcg aacaaggga tcagcttcat ggac 414

<210> 25418
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F4

<400> 25418

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tatgcctcgg tctggcgccc cttttectac tctccctcct cgtgtccagc gtgatcagtg 120
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 agtgcagcga catggatgac agcgacatat tcaagtgcta cgacagatgc tccgacgacg 360
 tggaggaggc cgctgtccac ctgaacggtc tagttcggga gcccaccgac gccaaagtgtc 420
 tcgagctcaa gtcgtgggtc tctccacgct 450

<210> 25419
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F5

<400> 25419

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 gcgtccttg gtgcggcgcc ggccgcgcgc aacgcgccccg gcggggcggtt cagcaactgg 180
 gtggcgatga accagcagag ctacgcgctg tacgcgcaga agtccgtcgg ggactggggc 240
 aaggagcccc tggacaagaa gctgtcggag gcggagaaga agaaggtcac gtacgtgggtg 300
 gaccccagcg gcaagggcga ctacaccaac atcaccgcgg cgctggagga tatccccggtg 360
 agcaacacca agcgcgtgat cctggacctc aagcccggcg ctcagttccg cgagaagctg 420
 ttctgaaca tcagcaagcc gttcatcag t 451

<210> 25420
 <211> 237
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F6

<400> 25420

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 ggctcgtgcat ggcgcgaggg aagaaccaat gggcatctat gcctactcgt cctggcctcc 120

<210> 25423
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-F9

<400> 25423

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gagcagcctc caataaaagc cagcacatcc aaataaaacc gagagacctc agccctcagg 120
caagccgacc gccgacgtac caccgcgcca acccgagaga aagatggaga tgatcaagag 180
gatcctcatc gccgcgctcc tcgtagtcgc cgtctcggcc accgcagtgc tggccttcac 240
cgaggccgcc gccgcggcg cccagccgc ctccgagtcg tcggcgccg ccgaagcccc 300
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cctgcactaa gccgacggac 440

<210> 25424
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G10

<400> 25424

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gcactttcta ccagaaaggg acgtgcacct ttggtagccg ttgcagaaat gaacatgttg 180
aagttcattg taactgcccc caaccagcaa ccactgtagc gcgtgcatcc tccaattctt 240
ctcagctagt tgcttcttcc agagatcccc attgcagcga atgccaaacg gatttatgtg 300
accaaacaca gcagatttgc aagtcaacag cagcactttc tgcacatcaa cctgcatggg 360
ttgttgatta tcatgaccat gacactccag atgatactac aagctggccg ttgcaccaag 420
ctgtgc 426

<210> 25425

<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G11

<400> 25425

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cgcgctttct accagcaacc ggacctacac ctaacgctat ccgttgcaaa gacgatcacg 180
gtcaacttaa gagcatccgg caacaccacg acaccactct caagggcgct tactccaatt 240
actttaacct cgttgatgcc tgcataatac accatatcag catatgccaa acggactaat 300
gtaacctatc actgcacagt tactagccta caccaagact gtttaccat caacctagct 360
gggtcgac 368

<210> 25426
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G12

<400> 25426

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tgcggtctcc ggagctggag gcgctgggccc tcaccactac cttccgcaac gtgcacaccg 180
ccctcgccac gcgcaacgcg ctccacctgc tggaggctgt tggcaggact gacatcctcg 240
tggcagatgg atcccatgta acgatcaaga aagccaccaa gctgaggatc gcaagcttcg 300
tccacggttc agacggcctg ggaaaccagg acttccttc accagctacc aagcctgtag 360
atcagtctgc tgctgcctta ctggctgagc aggcaaatct gtaccctggc caagttagca 420
ttgtcgccct cggaccactt ac 442

<210> 25427
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-G2

<400> 25427

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catgaaggtc tcctgaagtg gaaataccct gagatgaatt ctgtggactg tctgttcgag 120
cttacgaatg ataatcgtca actggttctc ctttatgaga gaggaaaaaa gaaactcatg 180
gatggtgccc ggatagcatt tactgacgat gtagatccat cctctatcgc cgggaggatt 240
gttgaatgct cctggaataa ggaagaacag tgttggctct gtatgcgtat tagatctgat 300
aaatctactc caaacgacat caacacatac cggaaggatga tgaagagtat cacagataac 360
attacccgan gaaaagcttc tcgaagagat tgatgagata agtcttctcc cgatgtatgc 420
tgat 424

<210> 25428
<211> 453
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-052-Q1-K1-F1

<400> 25428

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tgagggccaa cagctgataa tggaatatgc caatgtgggt gcggaggaca gtcacttggg 120
catgtcgaat tcggttcaga gtgctcttcc tcacgggctt cgtcaggatga accggatgat 180
gtgtcaattg atattgcttc catgacaaag catactaata aaaaccccaa aaagaagaag 240
ttcttctcta agcttcggaa actgggtgctg ggaaaaggga aagagaaccg tgaaatttct 300
actctggaga ggagagtgtc tatttcaagt tgttccttcg atgacttcac tggaagggat 360
tcacatgata gctattcttc gttcatggca gaaccaaaca tgcctgatag tcgacggcat 420
ggtgatcatg gctttggtac acattcttct ttg 453

<210> 25429
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D6

<400> 25429

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gggccgggtc ggacggcgac tcggcgggcg acacgcacag gcgcgagaaa cgccggctgt 120
cgaaccgcga gtcggcgcgg cgggtcccggc tccggaagca gcagcacctg gacgagctgg 180
tgcaggaggt ggcgcgcttg caggccgaca acgcgcgcgt ggcgggccgc gccgtcgaca 240
tcgcgtccca gtacaccgcg gtcgagcagg agaaccacct gtcgggggcc cgcgccgtcg 300
agtcggcgga ccgtcttcgc tccgtcaacg aggtgctccg tctcgtcgag gagttcagcg 360
gcgtcggcac ggacatccag gaggagatgc cggcgagcga cccgcttgtg cgtccctggc 420
agctgcccta cccggctgcc gccatgcca t 451

<210> 25430

<211> 284

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D7

<400> 25430

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gtgggtgaag gtgcttgaca cgctggaagg cgagtgaag catgattctc tgatcacgag 120
acatgttgag aatagataaa cacggacaac agctctgtac atggcagttg gcaagctatt 180
gttacttgct aatcggttgg tacctgaaat gatctctaag ttggtctgtt atcaaggcct 240
gtacaccgga tagagttgaa gacgcaggat ctaatagcca atga 284

<210> 25431

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D8

<400> 25431

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gatgatggtc gcataggcct gctttatatg gccctttact cccgtgttgt tatggatctt 120

tgctaaaaac atgatcaaga tatkagcttt taacaagtca agggcgattt ttacacattt 180
aaagggaaat ggcgcttata acaacttggg gatcagcaca ccctgtcgaa gtacatgggt 240
gaaactaaga tgcataagga cacctttata tctgaatcta tccttgaaga ggtataacca 300
tatatgtaat tcttcatata atgtttcact tgtcatgcta agatggataa agtaggtttt 360
tatgtgcaca ctgtattctg atctggatat actagcgctt ttcataataa tgggcatgct 420
tatttaaaga acatgatgat catatactt 449

<210> 25432

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D9

<400> 25432

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ctcggtcacc atggactcct ggaccgaggc gcagctccgc aagatggagg ccggtggcaa 120
cgaccgactc aacgccttcc tcacagctcg cggcgcttcc aaggagacgc cccacgtcgc 180
caagtacaac ttcaacgcct cagccgccta ccgcgaccgc atcgccgcgc tcgctgaggg 240
aaagccgtgg actgaccgc cctgggtcaa ggagactccc ggatctggcg ccccccccc 300
cgctaggaag ccgcccgtgc acacatctgc cgactccggc tgcggctggt gggacgactg 360
ggacgacgat tttcggccgg acatgatgcg gaatcagtcg gttggatcgt tcgtcgacgc 420
gggtgcgcag tcaggga 437

<210> 25433

<211> 454

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-E1

<400> 25433

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gttgatgatg ctggacaccg tggaaagcga atgagaaaat cattctctga tcaagaagca 120
tcttcagaag agtcaaacgg tcagaacagc tctttacagg gcagtaggca agctattgtg 180

acttgttcac cggtaggtac ctcaaatgat cttcaagttg gtctcttatac aagcaaggca 240
gcaaggaaag agttgaggaa gcagaagcga atagcagctg agaaagtgtg tgatctttgc 300
ggcagatcaa tgctctctgg aaaggatgtt gccaccttgc tgaactgcaa tacaggaaaa 360
ctagcttgca gcagtagaaa ttcaagtggg gcttaccatac tatttcacac ttntctgcctt 420
ttacactgga ctattctgtg ccaatacgag atgc 454

<210> 25434

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E10

<400> 25434

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cgctgtagag caaggcctgt gattgaatgc atccaaacaa cgacaccaac gccaacatta 120
attaattagt agtctccatg ccctgggatt gtgcgtggcc gctccgttaa acaccaccca 180
tccttcgttc ggcatttttt ccccttgtt tatataattt tattgtatcg ttttggcaaa 240
taattttgtg attcgacccc aaagcaagtt tggttgtctt acgatttgta aacctggaac 300
aatatataat gtgattgaac tgctttgtct aaaaaaatag aatctaaata tgcaaacccc 360
gtggccgtca ataaacgatt aaacactaac gtactaaagg ccacaaaaca gaaagtcgct 420
aacaagtac aaatagtcg tgcatggc 448

<210> 25435

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E11

<400> 25435

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ggcgtgtgat tgaatgcatc ctaacaacga cactaacgct cactttaatc aagtatgagt 120
ctccattcac tgagattgag cgtgctcgtt gcgataaaca ccacccatgc ttcgaacagc 180
atttaacacg tcttgcttat ataattttat tggaccacta tgtccaataa tgacgtgatt 240

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<210> 25436

<211> 440

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-E2

<400> 25436

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gtgatctgcc cgatccgtgc ggttgggtct ggatcgggtg gtgaaggtag cgggcgcgga 120

ggaagatggg gctcgcgttc gggaagctct tcagccggct cttcgccaag aaggagatgc 180

ggattcttat ggtcgggtctc gacgccgccg gtaaaaccac catcctctac aagctcaagc 240

tcggcgagat cgtcacaacc attcncacca tcggtttcaa tgttgaaact gttgagtaca 300

agaacattag cttcacggtc tgggatgtcg ggggtcagga caagatcaga cctctctgga 360

ggcattactt tcagaacaca cagggctctta tctttggtgg ggatagcaat gaccgtgacc 420

gtgttggtga agccagagat 440

<210> 25437

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E3

<400> 25437

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cgcgccgtcg ctgctgcaca ccgtcgatga ctcccgcgcc ttcgaaacgcc gtcggcgacc 120

tcttcgctgc caacctcacg ggcgcgctcc ttgcggttgc ctcttcgcc ttcattggcg 180

ttagcttcat cgtcaagaag aagggcctac gccgggcggt caccgccggc gccgcgcag 240

gtgttgagg ctatgggtac ctcttgagc cactgtggtg gattgggatg gttacgatgc 300

tgattgggga gattgccaat tttgtggcct acatgtttgc gccagctatt cttgtgaccc 360

ctgttggtgc gctcagcata attgtcagtg ctgctctagc ccatttcacc ctgaatgaga 420

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454

<210> 25438

<211> 452

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-E4

<400> 25438

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gggcgacgtg accatccagg tggatggcaa tctgctggcg accacggacc taagccagta 120

caaggaccat ggtaattgga tcgagattct acgtgtggat aacctgggtca tcaccggcaa 180

gggaaacctt gacgggcagg gccagccgt gtggagcaag aactcctgca ccaagaagta 240

cgactgcaag atccttccca actcgttgt gatggacttc gtgaacaacg gtgaggtgtc 300

cgngtccacg ctgctcaact tcaagttctt ccacatgaac atgtaccggt gcaaggacat 360

gctgatcaag gacgtgaccg tgacggcgcc cggtgacagc cccaacacgg atggcatcca 420

catgggcgac tcatccggga tcacgatcac ca 452

<210> 25439

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E6

<400> 25439

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ggaaggtgcc tagggcgatg actagccatc aaaggtgggg agtaaggatg aaacaagtga 120

cccaggggaag caaaaggaga agggcattgg gaagaagaaa aagggtggct catctgctga 180

gtctgtataa catgatagcg agtacaagaa ggggttaaga ccagtgttgt ggttgacacc 240

cgattgtcct ctgaagacag atgaactcat acctctgctt gatgtactat caaacaagt 300

gaaagctatc acgaagctta aggaactctt gacaacaaa cttctacaa gcacatttcc 360

agtcaaaaatc gccatcccta ttgtttcaac gatacgagtc attatcacat tcacaaagtt 420

tgaagaacta c 431

<210> 25440
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E7

<400> 25440

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cggaagtgcc gcaaggcgca ctttacggcc cgcctcttcg ttccgccggg ttctcatgtc 180
cgcggggctg tcgacggagc tccgccacaa gtacaacgtg cgctccatcc cgatccgcaa 240
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caaggaccgt aaggcgctcc tcgaccgcaa 450
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<210> 25441
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E8

<400> 25441

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tatttcaacc taccacagag gatgctaatt gtcacacata accaatcccc cttgtcctgc 180
aggctgtcat tgaccacctt gttctttggc gtttaatacc agaaagcagg aaaccaaata 240
gtgtcgacat caacttcttc gatgaggatg aacattcgca tccctacttc aagcctcccc 300
atcttgacaa ccccatctgc actcttctgc tgtctgaaac cacgatggca tttggcatgt 360
cacttgtcac tgacagcaac ggtaactaca aaggacctgt cacactttca ctaaagcaag 420
ggtacttact agtgatgctt gggaacagtg c 451
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<210> 25442
 <211> 304
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-E9

 <400> 25442

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 gccggaagga gaagaacaca gctacattga ctagccaata actaggaaaa aaacaaaatt 180
 agggtcggcc gggcaggccg cgcgcgcgcg tgggcgcgga ggggagcagg cttccacgcg 240
 ctcttctctc tgccttcacg tgatcgatcg gttcaagaac acgccggaat tgaagtctcg 300
 catt 304

<210> 25443
 <211> 435
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D5

 <400> 25443

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 gtcgtaggta ggatggacgc ggaccagtca ggcgtgggtg cggcggcggt gaagccggcg 180
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 ctccaccgtg cgctc 435

<210> 25444
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-C11

<400> 25444

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aggctcctat tccgctaaac taaagtttgt tgatgacgat ggcaagtgt tcttggagat 180

gagctactac tttgagatta ggaaggagt gccaggaggc caatggatgt ggccggacca 240

gcagggcaga gctgactcgt eggagtacgc tgttggttaga gctcatagca aaaagccaag 300

cagaaaatat gtgctatcgc ttcaagaatg tttcactact ttcttcgtca ttatcgattg 360

tgttttgatt tgtttcgagc tgtcattaat tgtatgttgt ttgtcgcata aggctgctta 420

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<210> 25445

<211> 442

<212> DNA

<213> Zea mays

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<400> 25445

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atgtccaggt cgccttcagc aacgccgacc acaaggacag cagcaccaag gtggaacagc 120

cggcggacag ctccctgaag ccggcgagcc tgaacgcgtt cgacatcatc tcccactcca 180

gaggggttcga cctgtcaagc ctgttcgagg tggaccaaga gcagaaggcc agcaactcgc 240

ggttcatgac ccagaaaccg gcgtcggcga tagtgtcaaa gctggagcag atcgctgaga 300

cagagcgctt catggtgaag aaacaggacg ggctggtgaa gctgcagggg tccaagcaag 360

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tcgtcgaggt gaagaagtcg gc 442

<210> 25446

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C2

<400> 25446

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tgagctccat ggaggtgatg ctggacgcgc tcatgcagcg agggataggc aagccggaag 120
aagccagcag caagcccaaa gaagaggagc cgtcaccggc gctgcccagc cgcccagcgg 180
tgcgaggcag actcccggcg ctgcataggc ccggcggcac agcagcggct ccgtggatcc 240
accggccatt cccggtaccg cagccaacgc aggaagacga tgaagagaaa tgtctggctg 300
gtcgggagct ggaaagacgg gcggccaaag cagaggagga agtgaagcag aaagacgagg 360
agatgaggca gaaagagcag ctcatcgcca cgctgcaacg gcaggtgcag cactacgaat 420
cccggctctc ggaatgcgag gtcaggatga aatct 455

<210> 25447
<211> 456
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-C4
<400> 25447

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tctgatactt acagatttca cagaggctctt gtttattttc tactattttc cttcaagcac 180
gtggaatagt acgtttgaca aacaatttgc tgacgagggtt ttcgaacacg gctgaacacg 240
cgcgcaaggc gtgcacagta cacgcgcgca tggggaggag gagaacaaga ggatgggtgaa 300
ggcaaggccc aagccaacgc cgggtcaaagc ggccccagaa gtgatcttcg acccaatggc 360
ctctggtgcc cggaagcccc gccgaccagg ggcgccgtca gccagcaaag aatggcacag 420
cttcatggga tcgagtctgt cggatatgta tcggaa 456

<210> 25448
<211> 453
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-052-Q1-K1-C5
<400> 25448

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tgggtgcccatt ctctgtccca atcaaaactga tcatccgctc gcttgcaggg ccacagcagc 120
 cgcgccgagg tcttccgctc gattccggaag ctcatgtatt actgaaaaga taatacagta 180
 cctatggctt ctctggacgc cgtgcgagga gacctcgccc tgctgattct gtacctgaac 240
 aaggccgagg cgcgccgaca gatctgccga gcatccagc acgggtccaa gttcatcagc 300
 aacggcgagc caggccctgc gcagaacgct gacaagtcca ccagcctggc ccggaagtg 360
 ttccggctct gtaagtctgt caacgacctg cagcctttga tcagccctcc tgccaagggg 420
 actccgctcc cgtgatact actcggaag tcc 453

<210> 25449
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-C7
 <400> 25449

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 agaggagagg ttgggtctgg gacaccatgg atccgctgaa gctgtacggg gcggtgatgt 120
 cgtgaaacgt gacgaggtgc tcaacggcgc tggacgaggc tggctccgac tacgagatcg 180
 tgcccatcaa ctccgacacc ggccgagcaca acatcctgga gcacctcgtg ctcaaccctg 240
 tcggtcaggt tccagctctg cagcatggcg acttgtaact cttcgaatca cgagcactct 300
 gctactacgc tgctcgcaaa atcaagccag agctgttgac ggaaggaaac ctcgacgagg 360
 cagccatggt cgatgttttg atcagaggtgc aggctatcca gtacaccgtt gcaactgaatc 420
 ccatcctctt gcaggtcctc atca 444

<210> 25450
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-C8
 <400> 25450

cccacgcgctc cgcacgccac aggcaaggca cagaggcttg tgaggagagg cgaggagcgg 60
 aggaggacat ggtgcacggg acgctggagg tgctgctcgt tggggccaag ggcctcgaga 120

Sequence

acaccgatta cctctgtaac atggatccgt atgcaattct caagtgccgt tcacaggagc 180
agaagagcag tattgcaact ggaaaaggaa ctaccctga gtggaatgaa aactttatct 240
tactgtgtc tgaccggaca acagacttgg taatcaagat tatggacagt gatacaggca 300
cagcagatga ctttgttggg gaagcaacga ttccattgga agcagtgtat actgaaagga 360
gcattccacc aacactctat aatgttgtga aagggtaaaa atactgcggg gaaatcaaag 420
ttggtctcac attcactcct gaggatact 449

<210> 25451
<211> 271
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D1

<400> 25451
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gatggcggcg cgccgtgtc actgacgtc gcagcgttg ccgcggcgag cgcgcatcg 120
ctggcgatgg ccgtcgagc cagcatggag cgcgcgcg actgtcggcg ccacgagcac 180
cagctgatgc atcagcccg catccaccg cggtcggctc ttgcgtccgt gacctcgttc 240
acgatgcagt gggcatcagg gtcggcgtc g 271

<210> 25452
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D10

<400> 25452
cacagccgga cgatccgagc agagaaggg aggtacctgc tacgactagc tagagtccac 60
gcgcgatggc gccaccagg atccgcgtg cttgctgag cttggcgctg gtggggctgc 120
tcactgcca cctcgccacc accgctcgc ccggcaagaa cagaatccgc atcctcgaca 180
gcgtcgacga ctcgccggg gacaacaaca gtcgcgacgc ctcgccggg gacaacagca 240
ccgactccga gtcggaaggc cggtcgtct attccgacat gaagctggct gatgagacgg 300
gatctgcgcc ggctccgga ccggcgccg ggccgacgac cagttgaagc gaggaagggtg 360

gccaaaactg agggccccgc tactatcttt tgctataact aaagataggg ccaagtttaa 420
 tttctccgat aaattctgtc cgagca 446

<210> 25453
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-D11
 <400> 25453

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 gcgccaagct agtgccaatg gcgagggcga tgctcgtggc cctggcgctg gtcgtggtgg 120
 tggcggtgga gatcgcgacc agcgcgttcg ccggcaagat cagaatgagg atactagaca 180
 gcatcgacga ctcgatcatt tacaacaaca ggtccaacgc ctcagcctgg tacaacatga 240
 cctacttcga gtcggaatgc cgcgtcttct attccgacat gaagctggct gatgagacgg 300
 gatctgcacc ggctcctgca acgacgccgt agccgacgac cagttgaagc gaggaaagtg 360
 gacaaaactg aagggccccgc tactatcttt tgctataact aaaaataggg cc 412

<210> 25454
 <211> 447
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-D12
 <400> 25454

cgcttcccc ttccacccgc cgategcctt ccgctcgtc caccgcggcg ggcgatcgct 60
 catctacccc taacctcccc cgctcgcgat tcccgaggcg aggtgccacc caccgcagat 120
 ttcttccgac ggacggttgg ctgcgtcacc cctacttcg ctgatcggat cgcgtgctgc 180
 ccgaggtaga ggtgatgata aggcatagtt gtttgactta gcctgcctta gctatcttct 240
 gaagctaagg gaaataataa ttggtgttat ggcatttaga aatatggttt gtactcccca 300
 agtcattaat cttacatcag actcagagag agggcaagct caaggaggca atggtagtga 360
 gatatctgag caaggtgcac aacatgctgt cagagttgta ggaaatgcaa tgaacattgg 420
 tctctctggt gtgcgaagtt actatga 447

<210> 25455
 <211> 416
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D2

<400> 25455

ctcttatcca cccgcgcgcc caccgccgcg cgcagcaccg cgccgcccac ccgcggtcac 60
 cgcagcgcgc caaatgccgc tccaacccta gcctctcgcc atgcctttcg atctcgggcy 120
 gccatgggaa actgatgccg ctgcgccgtc gccgtcgcgc gggaggacgt cagctcctcg 180
 cactttcccg catccacctc gtcattggagc tctgcgaggg cggcgagttc ttcgaccgca 240
 tcgtcgcgcg ggggcactac accgagcgcg ccgtcaccaa tgtcactcgc accatcgtcg 300
 aggtcgtcca tttctgccat cggcacgacg tcatccaccg tgacctcaag ccggagaact 360
 tccttttcgc caataagaag gagaactcgc cgtcgcgcag cgccctctc gatatg 416

<210> 25456
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-D3

<400> 25456

ggaacatcca tcgatcttcc cccagcggcg aggagagccg gcggtcacag gaaggagaaa 60
 gggcttgccg acacaacgct ctccgggtgt ttttcatcct agccgtggta tgtgccgtat 120
 gcacagcgaa aaggacagga gccaacaagg aagaatcggc ggcagcccc ggtggcgctg 180
 ctggaggcag cggcgggacg ttcgacatct ccaagctcgg cgcgaccagc gacggcaaga 240
 cggactgcac aaaggcagtc cagactcgt ggacgtcagc gtgcgaagcg accggaagcg 300
 ccacggtggt gatccccaag ggcgactacc tggtcggtcc tctcaacttc actgggccat 360
 gcaaggggag caacatcgac attcagctgg atggcaacct gcttggatca aacgacctgg 420
 acaagtacac ggtgagctgg atc 443

<210> 25457
 <211> 304

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-D4

 <400> 25457

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 ccacggcagc gccccaaatc ccgttccaac cctagccttt cgccatgcgt ttagatctcg 120
 gtcggtcatg ggaaactgat gccgctcgac ggtecgctcac gcgcattagg acgtcagctt 180
 ctcgcactta ccaggatcca cctcgtcatg gagctctggc agggctgcta gttcttctac 240
 cgcacatctt caccggagca ctacaccgag cgcgccgtca ccaatgtcac tctcaccatc 300
 gtcg 304

<210> 25458
 <211> 447
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-C10

 <400> 25458

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 cgaaccttct acggcggggc tgacgggtcc ggcaccacgg cgggcgcgtg cgggtacaag 120
 gacacgcgca cgcaggggta cggcgtgcag acgggtggccg tgagcactgt gctgttcggt 180
 gacggcgcgg cctgcggagg gtgctacgag gtgcgggtgcg tggacagccc tagcgggtgc 240
 aagcccagc cggcagcgt ggtggtgacg gtgaccgacc tgtgcccgcc caaggaccag 300
 tgggtgcaagc caccgcggga gcacttcgac ctcagcatgc ccgcgttcct gcagatcgcg 360
 caagagaagg ccggcatcgt gccatcttc taccgcaggg tggcgtgcgc gaagcanggc 420
 ggcacccggt acaccatcac cgggaac 447

<210> 25459
 <211> 457
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-052-Q1-K1-A4

<400> 25459

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actgtaccgg ttggctcgtgt ggagactggg gtcacaaagc ctgggtatggg tgtcaccttt 180

ggtccaactg gcctgactac cgagggtgaag tctgttgaga tgcaccacga ggcgcttcag 240

gaggctcttc cgggtgacaa tggttggttc aacgtgaaga acgttgctgt caaggatctc 300

aagcgtgggt ttgtggcctc caactccaag gatgaccctg ccaaggaggc tgccagcttc 360

acctcccagg tcatcatcat gaaccaccct gngcagattg gcaacggcta tgccccagt 420

ctggactgcc acaccttcca cattgctgtc aagtttg 457

<210> 25460

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A5

<400> 25460

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tattattgta ggtgaccgtt tgcttggtgc aaatgttgga gattctagag ccgttatttc 180

taaaggagga caagcgattg cggtttcaag ggatcacaaa cctgatcaga cagatgagag 240

acaaagaatt gaggacgcag ggggctttgt tatgtgggct gggacatggc gagtgggtgg 300

tgttcttgct gtctctcgcg catttggtga taaactcttg aagcagtatg ttgtcgctga 360

ccctgaaatc aaggaggaag tggctgacag ctcccttgaa ttctcatcc ttgctagtga 420

tggactctgg gatgttgtca ctaatgagga agctg 455

<210> 25461

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A7

<400> 25461

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 gcccgatgcat tgcaacggaa aacacttggt tatacacagg tcatttttta gtaatgctat 180
 caagaatcaa ctcac 195

<210> 25464
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-B1
 <400> 25464

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 ggacacagta tgtcctcaat cagcactgct gcacaaccta atgatcagca tgcttctgga 120
 agtagcagct ccccaaatga atttgtaaatt caagcaggaa ataatatatt atgacagaga 180
 gtctctcagc tataggccaa ctctgaaat tggtcacaca catggccaga tgtaaaactat 240
 ttgttcttat gggtcccgaa ttccaaccct atagggtctt ctactatggc accagactag 300
 acagcagtgg attggaaaac gaagacataa ttctcagggt caacaaagtc aaagacaaaa 360
 aataagttgt aatgctacat acgagagcct gctcgggagc tcgaaaccat ttgcacaacc 420
 gatccc 426

<210> 25465
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-052-Q1-K1-B10
 <400> 25465

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 tgttcatctg aaaagttgag atcgacagtt tctgagcaca gggcgcatg gacgttccgg 120
 ccgttgcgga ccctggaacg gagcgaggcg aaggcgctct gatccagtgc ccgtactgcg 180
 actcgaggcg gatgcacaag ctggcgcata tctcctccc tggcctcgcc gccgtctgcg 240
 tggacggcac cactgaggac ccgttccgaa gtccgttcgc agcgcccggtg gacctgcgca 300
 aggagatggt ggactacatg acgcagcgtg acgacagctg tatcgcgagc gctctgatcg 360

agtcggatgc gaaccaggac gcgcccggag cctatgtgcc agacgacccc ttcgag 416

<210> 25466

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B11

<400> 25466

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atggctcggt ccgtctccct cgctcgtggcg ccccttctcc tctctccct cctcgtctcc 120

gccgcggcca gtgcgcggac cgtgggcgac accgtgtagg acgcgtgcag caagaccag 180

ttccccaaga tctgcgtgga cagcctcgcc gccaaagccg agagccagaa ggcgacgccg 240

cgcaagctgg cggagctggt cgtgaacatc gcggccgaga agggatccg gatggccacc 300

ttcgtgcacc gcaagtacag cgacaaggag gacagcgaca tattcaagt ctacgacagc 360

tgctccgacg acgtggagga ggccgtcgcc cacctcaacg gcctcgtccg ggagcccacc 420

gacgccaagt tcctcgagct caagt 445

<210> 25467

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B12

<400> 25467

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gggcggcgga tcgtcgacga gatcctgccc tacctcggcg ccaccaacct gtgggactac 120

ctgccgctcc tgcggcggtt cgacgtgctc ggggtgagga acaagatcag ggacgttgct 180

ggcaggaggg acgccttcct gcagcggctc atcgacgcgg agcggcggat gctggacggc 240

gacggcgact gcgacgagac gaagagcatg atcgccgtga tgctctcgct gcagaagtgc 300

gagccggacg tgtacacgga caccatgac atggcactgt gcgggaactt gtttacagcc 360

ggtacggaga cgacgtcgac cacgatagaa tgggccatgt cgatgctgct gaaccacccg 420

gaggccctga ag 432

<210> 25468
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B2

<400> 25468

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gggattggga aagccatcat caagactcat attcagacac tatttatcgt gtccctgtgc 120
aacaatcagc tcttgtatct tattgaaaag gagttaatct ggatatttgg tcacgttctt 180
gggttttctg ccacccttcc gtctgtgatt gccagactcc atgctgcaa cgacaagtat 240
ctatcaccac cagccccagt ctcaccgtca tcacaaatgg gggagaaaca gtggaatttc 300
tcttttacat ctgtctggaa ctctatagtg tggcttgtgc ttttgaactt cttcattaag 360
atagtcacgt caacagcaca ggattatctc aaaaagcagc aggatacga gatggaactt 420
atttcggatt ccccgatcca tgaccattct aaaa 454

<210> 25469
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B5

<400> 25469

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gggcccaaca agttgtgtac tgtcaacggc gccttcatgg tcaccgactt ggatgtcacc 120
ttcaagaaca tcaccggcac ctgcttcaac ccggaggccg atagcctgct ctgcactgac 180
aaggttccat gcaccgtcgt taccatggat gacgtcaacg tcaagtatag cggcaccac 240
atcaagacca tggctatatg cacgaacgcc aagggcagca ccaagggctg cctcaaggag 300
cttgcattgt tctagacctt tcatcgactg acccatctct ctagttataa tgtatatctc 360
gtacttgcatt tgcacattcg atgctatcca ttggtaactc acaacagtta aacgacagac 420
atccgacagc tatattatgt tcgacgatgt cacac 455

<210> 25470
 <211> 444
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-B8

 <400> 25470

 caagggacca atgaaaagac ttggcacgat ttccaccttt ttgagccttc aaaacagAAC 60
 gggttccaaa cttaccacca aagaaatctg caaagtggtc aaatggatga acaagagcca 120
 gcaaattcta tctgggtctag ctgttaccat gtgtgatttg gtaactttta ccacgatgat 180
 tgctggagtt tctggggaca gactattgga ttaagcggca cgacctgac tattgagctt 240
 agcccatacc tgcagcactt agtggttaaatt ttcttttgag aatggtagtc tttcaagcat 300
 gacaatggct gctgttaagt ttgggagtgC cgccatcttt tgggccaaag atggggtaga 360
 ggatgattga tctgtcgga gtctgatggc gatgaattaa tacgaggtct tcaatgctga 420
 cagaaagggt taatgaaaca aact 444

<210> 25471
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-052-Q1-K1-B9

 <400> 25471

 cagaccaaga cgtcgcgcgc cgacgacgcg gtcgacgccg tgcgcccga ggcgggCgag 60
 gggctgcgga tcgtcgacga gatcctgccc tacctcggcg ccaccaacct gtgggactac 120
 ctgccgttcc tgcggcggtt cgacgtgctc tgtgtgagga acaagatcat ggacgttgC 180
 cgcaggaggg actccttcct gcagcggctc atcgacgctg agcggcggat gctggacggc 240
 gacggcgacg gcgaccagaa gaagagcatg atcgccgtga tgctctcgct gcagaagtCg 300
 gagccggacg tgtacactga caccatgatc atggcactgt gcgggaactt gtttacagcc 360
 ggaacggaga cgacgtcgtc cacgatagaa tgggccatgt cgctgctgct gaacca 416

<210> 25472
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C1

<400> 25472

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agcaggcggc ggctgagagg atggcagggg cggcggccac agggaaaatg gcggttaggg 120
ttaggatgtt gggcctaata ggcgcattaa acttgtggac ataccggtt catcattgtt 180
gtccttaaac aactccaaaa gtgctgctgc ctttctctcc cctcctcgc gtcgagtggc 240
tccacgcttc cacttgggtc cgaagcactt tctgcaatct cctccattt ctggtgtgct 300
tcagctatgc agttcagcag cgtgcttacc ctagacggaa aagcgtgtat gagcccagtg 360
aagaaaagca gtggagggtta tgggaatgag aggatgagga tcaac 405

<210> 25473

<211> 183

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-052-Q1-K1-A3

<400> 25473

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gtggatatta ggaaaggatc tgtatggcaa categtctc tccggtggta ccactatgtt 120
ccctggcatt gctgacaaga tgagcaagga aatcacgcc ctggctccta gcaacatgaa 180
aat 183

<210> 25474

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H1

<400> 25474

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cgtctgattc gcgtgctgcc agccctcgc cgatcgtgaa acacaaccgt cgggtggtttg 120
cttgcttgat cgctgaccc cgcggacgct caggtcatg gcgcctcagc ctgtgcgcgc 180

tccgaggctg agcgccecccg ctggccacgc ggcgtgcagg tgctcggccg cgccgctatt 240
 cgggaagcgg gcgccecccg tcgtcgcgtt ccccgcgcc cgtagcggcg gcgcccgtcgc 300
 ctctgtctcg gccgtgcagg agtcgtccac cttcaccact gtttagcaaga agaaggatgc 360
 cgcggaacggt gcccaaggagg ccacagcgga tgcggcgaag ccggccgc 408

<210> 25475

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H10

<400> 25475

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 cgtcgaggag tctctcccgcg gcatccgctc gggggagtcc ccggccgcgg cgctccgccc 180
 gatcctcgcg acgcctgggt cgcaccaggc gccctgctgc tacgacgcgc tcggcgcgcg 240
 cctcgctcag cgcgcgggggt ttccgatecg gttcatgggc ggtttctgtg tttctgccgc 300
 gcgacttggc ttgcctgatg ttggcctcat ttctatgga gaaatggtag atcaagggcg 360
 tctcatcaat gaagctgggt caatcccagt gattgggtgat ggagacaatg gttacggaaa 420
 ttcta 425

<210> 25476

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H11

<400> 25476

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 ggagtttgtg gcgagcgtcc ctgcaggagg gatgcttgta aacgacactg cgctacatct 120
 caccaacccg tacatgcctt tcggcgccgt cggcgacagc gggatgggct gttaccacgg 180
 caagttcggc ttcgactgct tcagccacaa gaagggagtc ctgatccgcg gctttggcgg 240
 cgaggcgaac gccaggtacc cgccttacac gacggagaag caaaagatcc tgaggggcct 300

catcaacggc agcttcatcg cctcctcct tgccctcctg ggcttcccca gggagaagcg 360
ttagatgctc cggcctcttt ttggtttcgg tacagccttt gtagtccctg ttcgctcg 417

<210> 25477

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H12

<400> 25477

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cagctgagct cgctcccagt ccaagcgccg gcgccaccac cgcagctgct cgctggtcac 120
catgagcaag gagaagcacc accgcgactg gatcctccgg cgctgctgtg gctccctcgc 180
cgctgcatc ctgacgtgg cgcgcgtcgt eggcttcac gtgctcgta tcttcctggc 240
gctgcgcccc tccaagccgt ctttctacct gcaggacgtg cagctgcgct ccatcgacct 300
cagcgacccg gcgtctctcc tcgacctcca ggtgacgac gtgtcgcgga acccgaacga 360
gcgggtgggc gtgtactaca agacgctgga cgcgttcacc acgtaccgcy acgaggcggt 420
ga 422

<210> 25478

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H2

<400> 25478

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gcctgcaatg gagtctccg accatgcgct catcggccta atagacgccg cagactccct 120
cgccgtcgag ctctcagatg gcggcgggat ggcagtgcct gagtactgat acgctgaaga 180
gagccacaac gagccgtaga actgggagaa gctgaacccc gactacaagc tgtgcactga 240
agggaagcaa cagtccatga tcgacatcgt taccaaacaa gccgttcacg ccgtcagcct 300
ccacaccctc aatcgtaact acagcgccac catacgacac gctcatcaac gatggccacg 360
acatcac 367

<210> 25479
 <211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-H3

 <400> 25479

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 ctattaccag gacgtgggag gagatcctga ggggttaactg atagaggctt taagcatgct 120
 ggttgaaaag caccacaatt gtggtttgaa taaactgctt gaaacgcac gagatgaaca 180
 tatgcacgaa tctggatgca tggaagatga aggcgatgca aacgagcagc ctgacacgct 240
 atcattagaa caggctattc taatgataac tagcataaca cgagggaatg ttttgagcaa 300
 cccaaatgtg ctttctgacg atatagatcg ctgcatgaga cacattttcg tacac 355

<210> 25480
 <211> 439
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-H4

 <400> 25480

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 gcggcactgg gaagcagaca atcctcatac ccaaggggtga cttccttgct ggacaactca 120
 acttcacagg cccttgcaag ggcgacgtga ccatccaggt ggatggcaat ctgctggcga 180
 ccacggacct aagccagtac aaggaccatg gtaattggat cgagattcta cgtgtggata 240
 acctggtcat caccggcaag ggaaaccttg acgggcaggg ccagccgtg tggagcaaga 300
 actcctgcac caagaagtac gactgcaaga tccttcccaa ctcgctggtg atggacttcg 360
 tgaacaacgg ggaggtgtcc ggggtcacgc tgctcaactc caagttcttc cacatgaaca 420
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<210> 25481
 <211> 406
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-H5

<400> 25481

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agcagcagcc ggcgtgtgac gctggtactg ctcggtctcc gcctgctgct tctggttggt 120
gttgcgagcgg cggtagtggg gttggtgcct gctgatgata atatcgccgc cgccgctgct 180
ggcacggcgg tggacgatgg cgagccgnct cagcagtgcg cgaccccggt gagcggttag 240
gaggcggtgcc gcgggcggtt cgagacgcac gccggcggtg gctacgacca ctgcatggcg 300
tcgttgggcg ccgacccgcg cagcaaggag gccggcaaca ggaccatgca cggcctggcg 360
gtgctggcca ccagaatggc catcgaccac gccgccagca ccgagt 406

<210> 25482
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-H6

<400> 25482

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caggatggat ccgaacccta gagctcccct cctcctcgcc atcgtcgttc tcgcgcttgg 120
cgtatccgtg gtggccagcg ccgaggacga cgcgtcgggg gtctctctgg gccgccgcgc 180
cgggggggtt ttgcacggcc tgaagaagga tgcactggcg gagggcgatc atgggggtggc 240
actagacgag gttggaccgg ggctgttcga cgcactcttt gccagcctct ccatgatact 300
agtcagttag attggagatg agaccttcat cattgctgcg ctgatggcga tgcggcaccc 360
caagtcaatt gtgttgctcg gtgcactatc tgcgctntat gtgatgacag tattgtcaac 420
t 421

<210> 25483
<211> 335
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H8

<400> 25483

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catatgttta ctggactggc catgatatta cctgggctag gctttgaccg tcccattctt 120
gttggaccgc ctggatgggc aagaatgggc acccaggttt gcagctctga tgcttaccga 180
tcgctggact tcgtgcttga catggcaggc cgtgacgaag caaatctgtg gtcaggggac 240
gactctagct aagtggacga ataccctctg catgatcagc aggcccagtt cctcgtgtac 300
gagagctcat gtttactaca taggcccgtc gacag 335

<210> 25484

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-H9

<400> 25484

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gaaaaattta taaaaaaaaa tacattcata taatcatact tttcacctac ttctttacta 120
cttcttacca actctttcct tttctttggc gtcactctaa tccatttttt tgtctgttac 180
ttttcaactt ctcccatttt actaccctcg cttttatccc actttactga ttttctgctt 240
ttgccttttt gccaacctct cgtactcttt attcactcct gacaagccta ctttectaac 300
agtcctcttc ctttaatgct taatttgctt catccttttc cttctctttt atccctgcat 360
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<210> 25485

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A1

<400> 25485

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gataagatca atgcataaat gggagaaggc cagtttggat ggccatgtct tctgaaataa 120
ttgattaaac tcgcgtttgg catgctgtgc aacacatgca gcaggttatg tttgtaacga 180

atgtgtcttg aatacattag gtacctttgg tcaggtgttg gagtgttggg acaaggaaaag 240
gaaagaaatg gtggctatca aaatcattag gggcattaaa aagtacaggg atgctgcaat 300
gatcgaaatt ggcattgctg agcagcttgg taaatatgat gaaagtagat ctaggtgagt 360
ttgctgggtc gggttaacacc cttctgtatg ctttacattc ataagattgc ttgcatata 419

<210> 25486

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A10

<400> 25486

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tggtcaagac caactattca gcattctcga tgtttcacca agttgtgcat atattggtac 120
aaatacaaag gtttcagtta ctggtacatt cttggtgaat aaagaacatg tggaaagtca 180
caggtgggtca tgtatgtttg gggatgttga agtaccagct gaggttttga ccgatggcac 240
cctacgctgc tatgcaccag ctcaccaatc aggaagagtt ccattttatg taacctgttc 300
aaacaggggtg gcttgtagtg aagtgcgaga atttgagtat cgcgattctg aagctcatta 360
catggagact tctcgttccc aagccaatgg tgtaaataaa atgcatctac acattcagct 420
tgagaagcta ctcaactttg 439

<210> 25487

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A11

<400> 25487

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gccacgcgtc cgggaggagg tgggtgggtt ggatatgggg ggtcgtcagg atacggtggt 120
gcttatgggtg gcggcggcag cagcggctat ggtgggtggtc agagtacgag ttcttggggac 180
tgaactgaat tctgggttaga agtgaaaaat gggtaacct gttgggtgtg aaaaatgggt 240
caaccgttat cgattagtcc ctggtggatg gagcgaatgc ctgaaatttg ttgcttgact 300

tgcgagtacg gtgtcaggag gtttcccagt gccttaatct tgcattttgt gttgtactag 360
 ggattgctta tggtattatc tgaattggtg gtttcttttc tacgc 405

<210> 25488
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A12

<400> 25488

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 gctgggggtat gtcgtgattc tategttagt tttctgctaa atcaacttaa tgattgatct 120
 taattatgta tggttgaggt gagagatcga ccatattagt tctctgtacg tagtgaccga 180
 tctcgtatga ggacactata tgccagtttt actgtgatta ttgatatgat cctcatgtaa 240
 tcgatcgaca tttagctcga tctgggaagg cgagaattat ggaggacgtg caatcgatca 300
 cagttcgcgt ccaactgatag cgtgctagat tccggcattt cacagtgata ctcatatc 360
 ttgcgatcga tctccagata atgcaccttg atctc 395

<210> 25489
 <211> 218
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-A2

<400> 25489

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 acaggtaaaa tcaataaaat aaataacaaa aagaaaaatt taaatattca tatattataa 120
 actaatacat taaactctct attttacata ctgtactaca catacatgta cttatatttt 180
 taactaatct ccctgtacta cattacttac ctcttgtc 218

<210> 25490
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-G9

66363 " 344466666

<400> 25490

acccacgcgt ccgcttttctt cgaacgcaaa aagaacccca cccgacgtac cgcgagccgg 60

cgatggcgac ggtggcgatg gacatctcga agcccacgcc ggcagcgtcc ggtgacgaag 120

tagcggcggc ggcgaagggg aggagcggcg gcgggggcga ggggctgcgg cagtactacc 180

tgcagcacat ccatgacctg cagctccaga tccggcagaa gaccataac ctcaaccgcc 240

tcgaggccca gcgcaacgac ctcaactccc gagttagaat gctcaggga gagttgcagt 300

tgcttcaaga gcctggctca tatgttggtg aggtggtgaa ggtcatggng aaatcaaagg 360

ttctggtgaa ggtacatccc gaaggcaaac atgtggtgga tatagataag agcattgata 420

t 421

<210> 25491

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F4

<400> 25491

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taataatact tccaatgctg ctgctgctgc tgctgcttcc agtagtgcaa ctgcttctcg 120

gacaatcaca gtggacgatt ctttgccatc aacctccctc caaatcaggt tcgcagacgg 180

cagtcgcttg gttgcccgtt tcaacacaag ccacaggatt agtgacgtgc gggcatttat 240

cgacgcgaca aggccaggag ccagtgatta cacgctgcag gccgggttcc ccccaaagcc 300

gcttgaagac acggccaaga ccatcgagga agccggcgtg gccaaactcg taatcattca 360

gtcagtctag cttggcagaa caggtgccgc aaccctattc catcgaacac gctaggcatc 420

<210> 25492

<211> 401

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F5

<400> 25492

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atcgtcacca ctcttccccg gctgaggteg tgggcgtgtc cactgctggg ctcgттаagg 120
 ggctttcatg cgtctgcgcg cagaggaggg agagcgacgt gcgcctgtcc ttcgatttga 180
 gtccattca ggaagagtgc ttgaataggt tgcagaaccg gatagagggtg cagtatgatg 240
 gttcaaattct ggagcatcag aaagcactgg aagccctttg gcgttcttct tttcctggaa 300
 ctgaacttct agggctagta tcagaccagt ggaaagagaa tggatggcaa cgtaaagatc 360
 catctacaga tttcaggggc ggcggttta tatctttgga g 401

<210> 25493

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F6

<400> 25493

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 aggtacctaa ctctacccta ctatagagaa aaagtcagca cattgcaagc aataataatg 180
 gagacgacga cgaagctccg gtggagccgg cccggctcct tctcctcgt cgccgcggcg 240
 ttcttggcgt ccgcccgcgc atcgggcgtc aacgtcagcc agttcgacga ccacttgcag 300
 aagcggacag agctcgccga ggcgtcggcg agggaggcgt acaggcccga cccgtacaac 360
 gtcaccaaca gtttcaacgc cggcgtccac agagctgtca acagcagtcg gcgtgagatg 420

<210> 25494

<211> 388

<212> DNA

<213> Zea mays

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<400> 25494

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 caattcgaga taccggtgcg tttcaataag caggttcaac agtatctttc gttaaaaaaa 120
 acagctctgc ttttcggggcg gctgctatgt cgcactgcac agtgtggcgt agcgcagcga 180
 tggcaagcta atgcctaaga aaaaaacata cgtgcatata gaaaccactg atattagtgt 240

agacgctgac aacctacgga gaaatttgta atggcagttc agggatgtaa atctttttac 300
gaggcaacag gtcacagttc ttattgtctg gtagtgatag cagtgtgcgc atttcaatat 360
attctctgat ggaattgtct tgggggttg 388

<210> 25495
<211> 60
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F8

<400> 25495

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<210> 25496
<211> 386
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-F9

<400> 25496

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accacggcca tcgccgcgac gacgacgaag acgaccgcag aggcccgcct tccccggtct 120
acggcggtta cggccagnca ccgccacccg acccgctccg cgcgccgccc gtcaaccccg 180
atccgtacgg tcgacctccg cccagtcgc cgtacggtgg ggccggggac gcctacggcc 240
acagcggcca aggctacgcg cccccgccg cctacggcgc cgggggcggg tacggcaacg 300
tcgtccacgt cgggcacaag gtcggcaaca agaggcctta ctacggcggc ggcggcggcg 360
gtcttggtgg gcctacgga gcgcgg 386

<210> 25497
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G1

<400> 25497

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 cccatggcag ggccttaaag ctggcactaa gaaacaaaag tatgataaaa ttagtgaaaa 180
 gaaaatgctt acctcggcag agattctgtg caaatcttac ccgccggagt tcgtctcata 240
 tttccactat tgctgctccc tgcgatttga agacaggcca gattactctt caatgaagaa 300
 gctctttcgt gatgtattta tacgggaagg ataccaattt gattacgtat ttgactggac 360
 tgcactcaag taccctcaaa tgggctcaa caacaagctt gttcaacaac caagtgc 417

<210> 25498

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G10

<400> 25498

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 cccctgaacc ctcagccttc tccgtccgc ctcggcactc gacggccgcc ggcaacacacc 120
 gcgcagtctc gagacaggaa ccggaggaa gaggatggag gatgactcgc cgctgacgaa 180
 gacgatgaag ggtgcggtga caggactcgc cgcggggacc atctggggca ccgtcgtcgc 240
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 gctcaagatg tgcggcacct acggggccac cttcgccacc atcgggggcc tctacatcgg 360
 cgtcgagcag ctcgtgcaga gccagcgcaa gaagcgcgac ttcgtcaacg gggccgctcg 420
 cg 422

<210> 25499

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G11

<400> 25499

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 gcggcggggc gggacggcgt cgctcgccag gcggagctcc gccggatcga gggcaacatc 120

tgcttcaaga aggcgcgcct cggcgccgcc atcgactgct acaccgaggc aattgcgctc 180
 tgccccgacg tcgccgtcta ctggatcaat cgggccctat gccatttcaa gcgcaaggag 240
 tgggccaagg tcgaagagga cagcaggagg gctcttgcgc ttgattacac tttagtcaag 300
 gggcactatc tgctggggtg tgcgctactc gagaaggaag aatctgctct tgctatcaag 360
 gaattcgaaa aggctctaac tctcttaaag tctgtggatt caacgtatga aatggctg 418

<210> 25500
 <211> 410
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-G12

<400> 25500

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 gatgcttccc cgggcggcag cggacgagga gacgagagag ggagagatgg ggccggacct 120
 cctgggaactt ggcttgcgtc cgccgccgat ggccggcggc ggccacggag gtggttcagc 180
 ggcgcatcag aagacgggat tcgacgagcc cctacgtttc gccgctgacg cccctttgcc 240
 ggtgcgcgct tgcgtgcgcc cgcggccccc gcccgaggac gtggacgacg gcgtcgtccc 300
 tgcagcacct ccggcgagca tngccgaagc cgccgcgtcg tcgacggcac ggtgggcgcc 360
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<210> 25501
 <211> 423
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-G2

<400> 25501

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 gtgaaggacg tgtcgggtgcc caccagcacc atcaagtcc cgcacggcac gtcacggctg 180
 gtggcgcccg cgctgggtgt cgccagcgcc gcgaagatgg cggacgccga cgtggcgagc 240

<210> 25504
 <211> 379
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G5

 <400> 25504

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 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt aaaaaaaaaa aattaaaaaa atattaaatt ttaatttaaa 180
 aaaaaaaaaat ttttaaattt aaaaattttt aaaaaaaaaa aatttaaaaa ttaaataaaa 240
 aaaacttttt tttaaaatga aataaaaacg ggaaaaaaaa caccagga aaaaatcccc 300
 aaaaaaaaaa agtataagga aaaaaaattt tttaaaaaaa cttttaaaaa acctctaaaa 360
 aaaatttttt tatatgggg 379

<210> 25505
 <211> 377
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G6

 <400> 25505

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 ctcgacaccg tgcgcaagga cggcaactcg ctcaaccggc gcaaggccgt ggaggccagc 120
 ctggcggcgc tcaagagcgc cggggtggag ggcacatgg tggacgtctg gtggggcatc 180
 gccgaggccg acggggcccg gcagtacaac ttcaacgggt acatggagct catggagatg 240
 gccaaagaaga ccggggtcaa ggtccaggcc gtcatgtcct tccaccagtg cggcggcaac 300
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<210> 25506
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-G7

<400> 25506

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tagtagagat atatatatat attctgcaag aaacaagatg cttagctgga acgcaataga 120
atatggaaaa gtgaaacgga agaagaatgc atgcaaatgc aaggatcatcg atcagacgag 180
gcaatccagg gcctggaggc tccccaggag gttgatgggt aacttgccag atgcacccaa 240
cagaaagaag attcttagcg tgatactagc aaaagaagat ttggcagatg atgtagatct 300
ggaggcgcta gcaaacctga cagatgggta ttcaggcagt gatctgaaga acctgtgtat 360
aactgcagca catcgccccca taagggaat tcttgaaaga gagaagaagg agag 414

<210> 25507

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F3

<400> 25507

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atgactgtga attggtgatg tcagattaat atacaggtta gttgcttggt tctaggtaac 120
cagagggtgtg gtttacaaca ccaaaatgct agaggagccg atacaaacat tttagtttaa 180
tttctacatc tattaggcct tttgtttttt gaatgagatg tgcagtgttg attgcggcac 240
atacttagaa gtgttccaac ataagctgga attctgtcat acggaaggat aaacttgtat 300
accaagggaa tgctgtatta ttatctttgc ccatttatgg ctacattagc ttgcttggtt 360
ctattctctt taaccatttc atctgtatac tagacagttg cttgacttac tattcaaa 418

<210> 25508

<211> 227

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D9

<400> 25508

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cagctgggat taatcccacc tcaattgcat gtttcaacca tctccgaaac aaccaccgca 120

tgaatctgtc tttcccacaa cacttctctgt ccacacagat ctccaagagc agcttggaga 180
ccgacaattt cgctagcaat cccatactat acaagcccgt ccgaaca 227

<210> 25509
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E1

<400> 25509

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atgggcggtt cgtttatgga gttgcgagtt ctctggtaa aagagcatcg atggaggact 120
tctatgaggc aagaatagac gacgttgatg gagagaaaat tggaatgttc ggtgtatatg 180
atggtcatgg aggagtccga gcagctgagt atgttaagca gcaccttttc agcaatttaa 240
tcaaacaccc aaagttcacc actgatacca aggctgctat cgccgaaaact tacaacctca 300
cagattcaga atttctgaaa gctgatagct gtcaaactcg agatgctggc tcaactgcct 360
caacagctat tattgtaggt gaccgtttgc ttgttgcaaa tgttgagat tctagagccg 420
ttattttct 428

<210> 25510
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E10

<400> 25510

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cggtcaccgg ccggggaggg ctcagaaacc tttcatcaa tacatacatc tatctgagcc 120
ctttcccgcg gtgaggcccc accggagtcc acacacacac acacacgggtg tcgatggcgg 180
ccgtaataag gagccgcgcg gtgtccgttg tcttctacgt cgtcctcgcc gcagctgcag 240
ccgcggcgca ggcacccaat aacgtcacct gcgacgagga ttactgggcg gagcgcgccg 300
aggtggctcg gtcgcgcaac ctcgccgact acgtcagcga ccccgaggcc gccacgaacc 360
gtttcaacgc ggacgtgctg agggccacga cgcgggcgggc gctggcgagg tacgatggcc 420

c

421

<210> 25511
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E11

<400> 25511

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aagacgtacc gcctccgcgt gtgcaacacc gggatcaagg cgtcgctcaa cttccgcatac 120
cagggccacg acatgaagct cgtggagctg gagggctcac ataccctgc aggacgtgta 180
cgactcgctg gacgtgcacg tcggccactg cttttccgtg ctggtcgacg ccgaccaggc 240
gcccggcgac tactacatgg tggcctccac gcggttcatac cacgacgcca agtccgcctc 300
cgccgtaatac cgttacgccc gttccagcgg cggccgccc gggcccaaca tgaccgagcc 360
accggccggt tgggcctggt ccatcaacca ggccaggctcgt ttccgttggga acctgacggc 420

c

421

<210> 25512
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E2

<400> 25512

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tgttcttcac aagctagtag tcttctggca ccaaccggag gcattgcaca cgaccggata 120
cgaaattctg atggggctct tctacgggct gggagcattg gtatatgcgg cacgggtacc 180
tgagcgctgg atgcctggga agtttgacat cgccgggcac agccaccagc tgttccacgt 240
cttggttggt gccggagcct acacacacta ccacgcaagg cttgtgtacc tcaagtggag 300
agacctgcaa ggctgctgaa aggtactgca tcgttgagga tgtggataga ttgtagattc 360
cgtgaattca ggctgaaggt catggtctgt tgtaaattgt aacagtaatac atgaaacaat 420

tg

422

<210> 25513
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E3

<400> 25513

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ggcgacgggc ctaagcaaag ccgctgacc ggccgcaaga gcttcgccga cgcatcacc 120
accatgaaga ccgccacctt ctccgtcgag gcgtccgggt tcatctgcaa gaacatgggg 180
ttccacaaca cggccggcgc ggagcggcac caggcgggtg cgctccgggt gcagggggac 240
ctcgcggcgt tctacaactg ccggttcgac gcgttcagg acacgctgta cgtgcacgcg 300
cggcggcagt tcttcgcaa ctgcgtggc tccggcacca tcgacttcac cttcggcaac 360
tcggcggcgg tggtccagaa ctgcctcatc atcacgcggc ggcccatgga caaccagcag 420
a 421

<210> 25514
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E4

<400> 25514

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cgcatattcc gaagtggagg cattaatgta gatcatatcg ctttcgatcc aaaggagacc 120
aaccgctttg ttgctaccga ttgcttgat ggcaaagtga tgatttgag cctcgactct 180
cccgaacctg aatatcatct gcctaagacg gattttaagg gtatcatgtt cctggaattc 240
ttcacacgtt atggctcgga gtgtttgatt attgctcatg aagatcataa agcacacgta 300
tggtgacttc gggtgcgcaa atttgtttct gagaagcgaa aattattatc tcgtgaagct 360
tctgtcttct tacgtcctaa tgtatcgta ctacttacac cttcatctaa aggcaact 417

<210> 25515
<211> 413

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E5

 <400> 25515

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 tctggatcgg aggatccatc ctggcatecc tcagcacctt ccagcagatg tggatcgcca 120
 aggccgagta cgacgagtcc ggcccatcca tcgtccacag gaaatgcttc taattctttg 180
 ggcccagaaa atgcaagccg tgggggagcc gttaccgccg ccagcctctc ctgcccccg 240
 tttcgttgcc gtttcttcat tagcgcgaac aaagttttgt gccggtctat cgcccgccgc 300
 tttcctcccc tattcatcaa gactgcaata actgtcgcta cctatgcttc tcacctgtga 360
 tttttggaca caatatgtta aggtccattc aattctaatt agacgcctga tga 413

<210> 25516
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E7

 <400> 25516

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 tgcacgtgac atggtgagaa ggaagagtca aagggcatcg atgcgaaaagc gtccaggcct 120
 ggtgggtcct tcgacatcac caagttgggc gcctccggca atggcaagac agacagcacg 180
 aaggctgtgc aggaggcatg ggcatcgccg tgcggcgcca ctgggaagca gacaatcctc 240
 ataccaagg gtgacttcct tgtcggacaa ctcaactca caggcccttg caagggcgac 300
 gtgaccatcc aggtggatgg caatctgctg gcgaccacgg acctaagcca gtacaaggac 360
 catggtaatt ggatcgagat tctacgtgtg gataacctgg tcatcaccgg caaggg 416

<210> 25517
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-E8

 <400> 25517

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 atggcggttg gaccacccga cgtcgtctgc agcctccggt gcgaaccgcg gcgcccgtcg 180
 aactcaccag gtggccgcgc cggagggggt actcccagtt cgcgagcggg ttcacccccg 240
 tgaagccgaa gccgctggga tccatcctcg acatcgaacg cgccaagggc ctctcccccg 300
 accacctcgt cgcgcgatgg gatgactatc atttaggaag gggcatata ggtgcatcta 360
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<210> 25518
 <211> 410
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-E9
 <400> 25518

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 atactcggat tcttgttctc cgtactgggg ttgcggtttc ttgtctccct actggtgatc 120
 gctgcttga tctttctcac caataccatc atcagttctg gtcttttccct cctcttgac 180
 aacgtggttg cggacacgtg cgtcgcgatg ggcgattggg tggcgcaccc gcaggcgcac 240
 acggcgcttg acgacatcct cccgtgcgtg gacgtggcca cggcgaacga gtcgctgtac 300
 cggagccagg aggtgacgtc gcagctgggtg gcgctggtga acaacgtcgt cgtcaacatc 360
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<210> 25519
 <211> 418
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-F1
 <400> 25519

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 gcctatgatc gttgccgcgc tagtgctgga caacaatggc gctgacgcgg tctcctgcac 120

tgccatccct agcgtaacaa taagcctaga ggagaaagaa aatatcaatg gggatgttcc 180
cacgatcacc tcggccgcaa gcaacgagga ggaggcgttg ttcagtgtcg gagaatccac 240
caaggacgat ggccatcgct tgacgatgga atgctccact cccgtctnct ccagtagccc 300
ttccactcgc aagaagcgcg gggcgttcag cctcttcagg gcgatgttcc tgtccttcgg 360
ccggagcgac gacagcatga agaagacaga cgacgacacc acgagcccca agaagaga 418

<210> 25520

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F10

<400> 25520

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gccacgatcc ctccaaggcg gacaagggat tccacggagg agggtagccg gccgcccggc 120
gtggatacta cggcgccag taccggcg gcggctaccc tgctccaccg ggcggcggtg 180
cgtaccctcc cggccctggg taccgggtac cacctgggtg gtaccgcct ccgggtgggt 240
accctcagcc tggcggtac ccgccgtcg acggggcgta cccggcgccg ggtgcaggcg 300
cgtatcctcc cagcggttac cccatcaac cggctaccc acagcctggc tatccatcga 360
tgcccgggtca tgggtggcatg tacggaggag gccacgggtg agggggctct gcaggccacg 420
g 421

<210> 25521

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-F11

<400> 25521

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agttccttaa tgtgcattct tgtccaaaga tcaatgcttt ggattttggc agactccggt 120
tggtttgccc cagtctgaag cgcattcaga gcagcctcat ctcataatac agaggctgct 180
accatataaa ggagggaat tcatgcaata agccgctgct cagatttgaa gaaaaaaca 240

aggggatgtt tggtttctag ggactaattt ttagtcccta catTTTTattc taatttagtc 300
tctaaattgc taaatatgga aactaaaact ctattttagt tttcgtattt ggcaatttag 360
gaactaaaat ggaataaaaa tatagggact aaaagttagt ccctagaatc caaacacc 418

<210> 25522
<211> 417
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-F2

<400> 25522

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gaactggctc taagcgctct gcgcctccaa gaacgcgtgg aactccgccc tggccctcgc 120
cagacgcggc gtgatgcacg gcgatgatgg gcacgacgac gacgacgacg catccgcccgc 180
cgccaccgtc gagaacctca cgtgcctctg cgaagacgtc gacgccctgg ccgagtcgag 240
ccgcgacgat gccgagttct tcagtatccc cttcttcgcc gcgggtgggtt cgccgtcgaa 300
cacgaacgcc atcttgaccg gcgcctccgc gtcgtcatcc gcgcagctgg tcttggccac 360
ctncgtcgcg tggcagtcga cggcgctcgtg ctgcgcggcc acatgcggcg gcggaag 417

<210> 25523
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D8

<400> 25523

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ctctatcaac ttatgaaaga aagggtcaag cttttctccg agtctgaagt ccgcaactgg 120
tgttttcaga tatttcaggc tcttgcatatc atgcaccaga ggggctactt tcatcgtgac 180
ctcaaacctg agaatctgtt ggtagcaaa ggtgtcataa agctagcaga ctttgggtctt 240
gcaagggaag tctcatcatt gccaccatat acagaatatg tctcaactcg ctggtatcgg 300
gcaccagaag tcttgctcca gtcattctgt tatgattctg cagttgatat gtgggcaatg 360

ggtgccataa tggctgagct gttgacactc catcctctct ttcctggaac cagtga 416

<210> 25524

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C2

<400> 25524

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ttgatgggtc ataaaaatat gaatttggtc catattattg cctactttgt tgtgcagtat 120

cgcagggcagc tggatcttga gcgaccttac aaaaaaaga aagagggttag tatatattga 180

tgatataatc taaacaagag ctactcgact taacttaagt ttcggcggat gggtagcttg 240

attcttcgtg tgggtctaata gaaagaaaat agttgcatca aaattaatta gggctctaata 300

gacagctatt tetaattggt tcagttacgt tattacttag ttctctgtat ttcctatttg 360

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cta 423

<210> 25525

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C3

<400> 25525

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acagcctgcg ccccgccaac ccgctaggct acttcaagga cgtgccgctc cccgtctgcg 180

ccgcgctgct caagcagctg gactcggacg acgacgacga ccagtaaact ataccacggc 240

ggcgtcgcgg acatgctgca caaaactaca acgatacaga gcgaacgcat ggcatggata 300

gcagtatcta cggaaagaaa aggaagaaaa ggaaaataaa aaatgtatca gagtgcctga 360

ttcaattgct gctgtcacc cttccccgtt cttaacataa catgtggggc ggct 414

<210> 25526

<211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-C4

 <400> 25526

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 ccgcggaggt ggaggcggag gctacggcgg gttggaggcc tgtggcggag gcggcggcgg 180
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 ttcgtcaggc ggcggttact ccactcctag cgtggcggcg ccatccacgc ctgccgctga 300
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<210> 25527
 <211> 415
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-C5

 <400> 25527

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 gccagcagca gtagcagcag ccggcgtgtg acgctggtac tgctcggctc ccgcctgctg 120
 cttctgggtg gtgttgcgca ggcggtagtg gagttggtgc ctgctgatga taatatcgcc 180
 gccgccgctg ctggcacggc ggtggacgat ggcgagccgc ctcagcagtg cgcgaccccg 240
 gtgagcgtgg aggaggcgtg ccgcggcgcg tccgagacgc acgccggcgt ggcctacgac 300
 cactgcatgg cgtcgctggg cgccgacccg cgcagcaagg aggccggcaa caagaacatg 360
 cacgggctgg cgggtgctggc caccaggatg gccatcgacc acgccgncag caccg 415

<210> 25528
 <211> 416
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-C6

<400> 25528

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cctcctccga tccgcgggcc cgccgagagc tagctgctga tcggtcgagg agagtcatgg 180

cgacgtcgac gatgcgcgtt gccgccggcg tgctgctggt cgtgtcggcg ctggcgacct 240

tggcccgggc cgaggacccc tacctgttct tcgagtggaa ggtgacgtac gggaccaggt 300

ccctgctggg agtgccccag aaggatcatc tcatcaacgg cgagttccct ggccccagga 360

tcaactgctc ctccaacaac aacatcgctc tcaacgtctt caaccagctc gaccat 416

<210> 25529

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C7

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ttatctggcg gtggtctagg ctatcctttc tatgtcactg tccttcaagg tgtctaagta 120

attatcagga ttcaagaagt accttcttga gcgtcaatat agaccagtgc aaaactcagg 180

aactacaccc aattgcaacg ggccgatgat aatagggtgcc agccagtcca gtttgtgcaa 240

agatctgccc cggtagtctc ctgactgaat atacttggat acgctcatgg ttctgcttcg 300

gtaccgatat atttacacgt cattttgaag gatgacttct ggtgagtaca tgtatacaat 360

tgctcgtggg aacaaaaact aacggtaatt gctggtggat ttttggcaga cagaat 416

<210> 25530

<211> 160

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C9

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aaaacattta tggatcataga gtctgccctt cgtttgcag tcgggcaatt tttcttgcac 120

acaatgcctt cgtttaagta tcggatgagt tgctgcgact

160

<210> 25531

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D1

<400> 25531

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ggttgcggt catgctatga ggtgagatgc aaggaaaaac ctgagtgtc gggcaatcca 120

gtcacggtgt acatcactga catgaactac gagcctatcg ctccctacca cttcgacttg 180

agcggcaagg ccttcggctc cctggcaaag cccgggctca acgacaagct tcgccactgc 240

ggcatcatgg acgtcgagtt cagaaggggt cggtgcaagt accccgccgg gcagaagatt 300

gtgttccaca tcgagaaggg ctgcaacccc aactacctgg ccgtgcttgt gaagtttgtg 360

gcggacgacg gtgacatcgt gctgatggaa atccaggaca agttgtcggc tgagtgg 417

<210> 25532

<211> 363

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D10

<400> 25532

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caggatctca tcaaatttcc aagcaacgac atgaactggt gacaggagca ggaagcgtgg 120

atcgcgaccg gctgcgacgt cgacgcgcgc cgggaggagg tggaggagac gcgcgagcag 180

gctgctccgg cgccggctga gccgtgcctg tctcgttcg tggacatgtc ggagatcttc 240

cccgccagcg tcacgctcag cagcggcggc gacgtggaca atagcggcaa caagccagac 300

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aaa 363

<210> 25533

<211> 418

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D12

 <400> 25533

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 acgacgccgt caggttttcc ttcttggtgg cgtgcgtggc cgccaccgtc gcgcttgctg 120
 cgtccatgtg ctccggcgtg ggccgcaagc caaaggcggc caccaacgcg gacccggccg 180
 ggacgggctc ctccgtctcc gatggtagcg acagccagga ggctggcgcg gaggaggcgg 240
 cggtagagga ggaggtgggt aggtgtgcgc cggagctggc gatgcacggc gccatcgagc 300
 cggtgggcgt gccgtcgtcg acgtcgaggc ggccggctgtc catcagcgtg agcaagaagc 360
 tgagcctgaa tatcccggaac aagctgcggc tgagccggcg ggagcacaag gaccacca 418

<210> 25534
 <211> 424
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D2

 <400> 25534

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 gctcgtgggt gctctcgtgg ttctcgacgat ccagccagc gccgatacga acctggaacc 120
 tgcaggaggc tctacggagg gcagtgcctg cacctccggc atgcagaagg aagagacccg 180
 aggcaacaag aagccagcga ccctcgctgg atctcttggg tcaggcaaga atgccatcta 240
 cgggtaaatg attagaagga atcctgcttc ggaaggtatg aaaacaatgg ggatgtgctc 300
 aacaatcaat ctcaacccca ggtgacggca atgagtcacc cacaggaatg taaccggata 360
 tagatggaca ttgctcgctc catatttctt ttcatattt tctcttcaaa ttcaattgaa 420
 atac 424

<210> 25535
 <211> 422
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-D4

<400> 25535

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gacaatagta tgcatagcgt tgggtgaagg accggacaat caaagagtca aaaccttcac 120

gtgtctcaaa gccgccgtag catgaaagct ccgaattttt ccatgaaaag aggtccttca 180

atggccatga gagctccttc agtagcgatc agagcgccct caatatctct gagaggctct 240

tcaatgtctt tgagagcadc ttctatgtct gtaaaggaag accaaagttc ctcaaacaag 300

tcagatgagg aaacggaatc tgtgttggtg aagctgagcg cacgtcagat cacacttttg 360

ctgtcatcca tttgggctca atcaacatcc cctgaaaata ctctgtgag caatggcttc 420

at 422

<210> 25536

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D5

<400> 25536

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aaacgctgga gcagggtacc ttctttgcct tcatatgtgc catttggtga gctttaccta 120

ttgggagatt catcagtc aa tacactttca gattcagaat actccaagat gacgtcgggtg 180

cagtctgtta tatcgaggtt aagagagcgt ttgcagtcgc actcaatgaa gtcctatagg 240

gctagatttc aaaaaatata tgattcatgc atgtgtgcaa atgctcccat ttttactggc 300

attgagcaat tgccacaatt ttcacatcta caagaattaa ttgggtctaac agctactgat 360

tctgttgaac ttggagatat cgtggaccct cctgttatcc gaactgctac ttc 413

<210> 25537

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D6

<400> 25537

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aaggttgggg cgcagcag agttcagccg ttctgttcc tgataaaacg agagaaggat 120
ggcagtgtct cagggagctg tcctattctt gtttctctc ctgcgcag cagaggtggg 180
aaccatcgat gccaaaatgg gagtagccat gccatgcat gccttgataa tggagaaagc 240
gaaacagcag gagaaggaga agaaggagga gaaaagcacg gagaaggaag agagtcaatg 300
cttatcgccg agtctccagt tcgagggtt ctgcttcaac agcgacagat gcgccgaggt 360
gtgcatgaag gagagctttc ccggtggcga gtgcaagcgg gacgtggcca tgcgc 415

<210> 25538

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D7

<400> 25538

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agcagtatta ccaggcgcag ctgtatttcc agccacagca gcagcagtat tttcagcagc 120
atcaacagac gttggcaatg ccaatgccaa acatgtatca ccaccagtat cagtactctg 180
tgcctacatc tggagcttcg aaccatttg gtgatccttt cagtgcctt gcccgaatgg 240
gtgctcctgc aaaacagagc aactcagttt ttctctgaac tggttgctac ttctgagtct 300
gatcattcaa ttggtagagc agcaaactg tacagcactt gttccttcgc taagtggagg 360
tggtgtatat tgtctttctt ttgcaatata caaatcttga aatataacat t 411

<210> 25539

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C12

<400> 25539

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gagaaagagg agagagagag ggacgggggc ggggccggcg gaagcggagc ctgcgccccg 120
cggaccgaat cctgcgcgga tcgcccggcc tgccggggcg gcgctgcgga cggcctgac 180
cggctggaat ggcggcgggc cgacgaggga tctagcggag gtgggtgtcg cgcggcaatg 240

gctgcggcgg aggcgcggcg cccgtcagcg gtctgggctc tgctgccgct gctgctgcgg 300
 ctgctccacc cggccgcgct cgtgctggcc aacaccgaag gtgatgcctt gcatagcttg 360
 aggactaact taaatgatcc taataatggt ctacaaagtt gggatccac tctggtc 417

<210> 25540
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-051-Q1-K1-A8
 <400> 25540

gtccatgaag gatgatgcgt ctgtggtatt cgcctattac aaggatgggtg ccgactaatc 60
 cgacattcct ctatttctct catggtctta aggagatcaa gtgctaggcg tgcggcgaaa 120
 ttagttaccc atgttgggta ctatctatgt actattatta tatccaaaac tatagttgtc 180
 ctggctgaat tgaactcaaa agggtttgtt tgagaaaaaa ttgtcccaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaca acaaaaaaaaa aaataaaaaa aaaagaaaac acaaaaaaaaa 300
 caaactcaca aataacaaaa aagacaaaaa aaaaacacac aaaaaaaaaa acacacaaaa 360
 aaaaaagggg ggggcctttt taagggccccc agtttatcat cccgggctt 409

<210> 25541
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-051-Q1-K1-A9
 <400> 25541

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 ggcgcttcgc cggcgacgag catccgccag gtgccagcc atgtcgcca atgctggggc 120
 ctccgtcgct cccatcgggc gcggegtgc tcgtgccgc agtcgcagct tccggagcag 180
 cagcagcaac ggccggggcc cgcacggcaa tggcgctggg gtgttcgtga gggcgngggc 240
 cgacaacgag atgtacgtgc gggcgataa gatcgacctc aagaacctgg acgtgcagct 300
 ggagaagtcg cgggccagg tgtggctgga gcaccagcg tcgcagcgga cggcgctgcc 360

gcggccggag acgccgctgc tcgagtggga gatcgacctc gccaaagctcg acatccagaa 420
ccagatcgc 429

<210> 25542
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-051-Q1-K1-B1

<400> 25542

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tgggaggcgc tcgagttttc aggtaaacca tagtttagtg accaatggct cgtactaagc 120
aaactgctcg caagtccact ggagggaagg ctcttaggaa gcaacttgcc accaaggctg 180
ctcgtaagtc tgcaccacaca actgggggag taaagaagcc tcatcgttac cgccctggaa 240
ctgttgctct tcgtgaaatc cgcaagtatc agaagagcac tgacctgctc ataaggaagc 300
ttccgttcca aaggcttgctc aaggagattg cccaggattt caagactgat cttcgtttcc 360
agagccatgc ggtgcttgcg ctgcangagg ctgcggangc gtacctggtg ggtc 414

<210> 25543
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B10

<400> 25543

ggcaaggacc gggccgtcac gtacaattac ggggagcacg acgagcgaca tacgagaccg 60
agcaagcgtc gccgacgccc taccgcttct atgcgatggg agccccgtac gaccatacgc 120
tggacgccac caggctcatt ccgaggacca tgatgacctg gaggtcggtc tggttctggt 180
cccagctgga gtcgtacaat cacgatatcg cctgccacat gcacgtcagc cacctcgagc 240
tcggcaacag gctgtacagc acgctgtcca tgcactgtga caagctcagt ggccaggaac 300
gacgcgatcg gaaacaccct agcgaggaac agaccggaag cgcgcacgtg caccagaaaag 360
ccagctgact gcaac 375

<210> 25544
 <211> 279
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B11

 <400> 25544

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 gtacattgac ggacgtggta ccccatgtct ccgatcagag ctccgtacaa ttcttagatg 120
 gatatgacaa tgctaatccg tagaaagatg atcaactgta gctaggtctc tttctagttg 180
 caatgaacct cttgcaatca ctacatagca ttctacatag tgatcatcga catcttggtc 240
 ttctacagga tgtacaacaa catttccgtg aactagatc 279

<210> 25545
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B12

 <400> 25545

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 tcaaggaaga aatcagcaag gttgtcaaga tccaagagga gcttgacatt gatgtgcttg 120
 tgcattggaga gccagagaga aatgacatgg ttgagtactt cggtgagcaa ttatctgggtt 180
 ttgcattcac tgccaacgga tgggtgcaat cttatggatc acgttggtgtg aagccaccca 240
 ttatctatgg cgatgtcagc cggccgaacc ccatgactgt tttctgggtcc aagacggcac 300
 agagcatgac cgctcgtccc atgaagggaa tgttgactgg tccagtcaca atcctcaact 360
 ggtcatttgt caggaacgat cagcctagat ttgagacatg ctaccaaata gctcttgca 419

<210> 25546
 <211> 291
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-051-Q1-K1-B2

 <400> 25546

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aaaaaaaata aaaaaaaaaa aaaaaaaaaa aaaaaaaat ataggactaa cccatctcaa 120
 tgtatcctaa cttacatata catcattgcg gatccctttt tatcgtttca attttcctta 180
 catctaattct actactccgt agtttttctt cgtcgtgact gtaaaaacct taactttccc 240
 catcttaata accttttaac tgatacaact ttggctaata tgaacttatt c 291

<210> 25547

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B3

<400> 25547

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 acgcttgctg aatcaagaaa ttttacgtgt ttccacacta ttggagaacg catccctttt 120
 aaatcaaagt ggccttgaac atggtagtcc actaacaaca ggaggattat attcaaattgg 180
 agcagctact gacatgaatg tgtggacatc agcatttcaa ccagaaagt caccagctta 240
 tagctggctt ggaggatccc agggcagctc ctctggactt attgtcaaaa caatgaaggt 300
 cgatatccca gtagacaaat atccaacatt caatttcggt ggccgcatcc ttggtccaag 360
 aggaaattcc ttgaagcggg tggaggcaaa tacggactgc cgtgtgctaa taag 414

<210> 25548

<211> 425

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-B4

<400> 25548

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 agcagatcat tgttgtggtg gctctccttt ttcttgtggt ggcaacatca tcatcagtgt 120
 gggttgcaga aggagccgat gacttaaaag tttcttgcgt taaagagtgc acccaaaatt 180
 ttaacactcc cgagggcaag aagatctgtg aaacgatgtg tgccaaccct aaaggaaggc 240
 ctatcgacag agttagagct gattgatcaa tgctcatctt tattttagtc tagctatcat 300

gcatgcatg atggccttct tgattattat tatttcattc ctcatgttgt ttgttcttgc 360
atgttttttc caccactaat attgtcctaa ttgatgcata caagttgtca ctcanagcat 420
tttct 425

<210> 25549
<211> 419
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B5

<400> 25549

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acaaccagaa gccacccatt ggcgtacgcg aggcgatcgg agcatcccgt cccaagagga 120
gaaactccgg ccggcgacgc gggggaaaat ggggaagacg ccggtgcgga tgaaggcgg 180
ggtgtacgcg ctgtcgccct tccagcagaa ggtgatgccg gggctgtgga aggacatcac 240
caccaagatc caccacaagg tcaccgagaa ctggatctcc gccacgtccc tcctcacccc 300
cgtcgtcggc acctaccaat acgccatgtg gtacaaagag caggagaagc tttcccacag 360
atactaaatg ggatgtcctc caagttgctg cggcttgtcg cagttgaatt ttccatgat 419

<210> 25550
<211> 230
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B6

<400> 25550

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aatataagac tgagggcact tgaagaggat caggagttcc tcaatcaggt attgagttcg 120
ctccaatgtg gtagtgatgg gctgcagtgt atacaggaga taagcaggca cttagcagag 180
ttgcgaagag ttgtggctca ctaaaatgaa aatggttttg ccccgagttc 230

<210> 25551
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B7

<400> 25551

gacaaaacat ggctgtgaat gtgagaacca tgtggtcgtc gatgcgggca catgttgcca 60
tggctgtggc gttgggtgttc ttgggtgagcg gcgcatgggtg cggtcctccc aaagtcccc 120
caggcaagaa catcacggcc acctatggca aggactgggtt ggacgctaaa gcgacatggt 180
atggcaagcc gacacgggtgc cggccccgac aacaaccgtg gcggctgtgg gtacacagac 240
acgaacacgc ccccccttaa tatcacgtgc gcatgcgcga acatatccat atttaaggat 300
aggtctctgtt gtgggtcctg gtttttagatc aagtgcgata agcctgtgga gtgctccggc 360
aagcccgtgg tgggtgcacat cacggacatg aactatgagc ctatcgcggc gtacc 415

<210> 25552

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-051-Q1-K1-B8

<400> 25552

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ctcataccca aggggtgactt ccttgctgga caactcaact tcacaggccc ttgcaagggc 120
gacgtgacca tccagggtgga tggcaatctg ctggcgacca cggacctaaag ccagtacaag 180
gaccatggta attggatcga gattctacgt gtggataacc tggatcacac cggcaaggga 240
aaccttgacg ggcaggggccc agccgtgtgg agcaagaact cctgcaccaa gaagtacgac 300
tgcaagatcc ttcccaactc gctgggtgatg gacttcgtga acaacgggga ggtgtccggn 360
gtcacgtgc tcaactccaa gttcttcac atgaacatgt accggtgcaa ggacatgc 418

<210> 25553

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-B9

<400> 25553

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gaggagggag gaaccagaga cccggcggcg gcgacgatgg ctccgcgcag ctcatcggcg 120
 gcgacgtgcc tgtgcctcgc tctcgccgcg gccacgctgg cgctggccca cggcgcgcaa 180
 ggaggaggac catcggcata tgcggcggac ctggacaagg tcacgggcga gaccttcttc 240
 gacatcgaga tcgacggcaa gcctgcaggc cggatcgctg tgggactgtt tggggacacc 300
 gttcctaaaa ctgcagagaa ctttcgagca ctttcgacag gggagaaagg aattgccaaag 360
 tccggcaagc ctctgtggta caaggggtcg acgttccaca ggatcatccc ggggttcattg 420
 atcca 425

<210> 25554

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C10

<400> 25554

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 acaagaacgg cgacggatgc atcaccatgg aagagctggc cgcagtcacc cgctccctcg 180
 gtctcgaccc gagcgatcag gagctcaatg atatgatgag cgaggtcgat acggacggca 240
 atgggatcat cgatttccag gagttcttaa gcctcattgc ccggaagatg aaggatggcg 300
 acggcgacga agagctcaag gaagcctttg aggtcctgga caaagaccag aacggcttca 360
 tctccccggt tgagctgagg acggtgatga ccagtctcgg ggagaagatg accgacg 417

<210> 25555

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-C11

<400> 25555

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 cccacgcgtc cgcccacgcg tccgcccacg cgtccgtagg cgccttcttc gtcccacgct 120
 ccgtctttat ttgtaatctg aagcttacag gaacatttga gtggatcatg gacggattgg 180

taggcctctt gaaagtcggt gtggtgaggg gcatcaacct tgcctaccgc gacgcaagag 240
gcagcgatcc gtatgtcgtc ctacgacttg gcaagaagaa acttaagacg agcgtgaaga 300
agagatctgt gaaccccatc tggcagcagg agctaactct gaccgtcaca gatcccagcc 360
tagctctgaa gctggaggtg ttcgacaagg acacgttcag cagggacgac cccgatggggg 420
acg 423

<210> 25556
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A7

<400> 25556

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aacaccatca aggaagcggg cgtcgctcca aatactatga ataacttaca gccgaacaag 120
gtaaggcgac tttatacatg agctacatct tagatatcga cctcaaggcg aacaccaagt 180
ccgacgataa ctaccatcta tatgagtaca ccgacttgta cactgacgtg catggggtca 240
attactatag agagaacaac gacatagaca aagatgtcca tatgatagat taaaacgta 300
agacgcatga catggactgg attgtagaca tgactttcga atgatgatat actcatacac 360
tgtatta 367

<210> 25557
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H2

<400> 25557

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cactaccacc tcttcgtcac ctgccccggt ttctctgtca ccgcccggcg caacggcgcc 120
cccggcgctt ccgggttcag gttccagacc accacgtact gccacgtcga ggtttaatta 180
ggagcgagag gaagcagaga ccatggctac ctctctagct gctgctcctg ccgttgctg 240
gtgtggtaat aactctctct atctctctct ctctctctgt ccgctgctgg cgttactact 300

gcagtagtgc agtgatgcgg gatgtaaagg aggggtaaaa aaaattcctt tcgttctagc 360
cccttgtttt tttgcatctt ctcttcacc tttccatata ctactagtat gctctgtcga 420
ctg 423

<210> 25558
<211> 366
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-050-Q1-K1-H3

<400> 25558

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cgtcaccttc aagaacatca ccggcacctc ctccaccccg gaggtcgta gcctgctctg 180
cactgccaag gtcccatgca ccggcgtcac catggatgac gtcaacgtcg agtatagcgg 240
caccaacaac aagaccatgg ctatatgcac gaacgccaag ggcagcacca aagggtgcct 300
caaggagctt gcatgcttct agacccttcg tcgactgacc catctctcta gntataattt 360
ttctct 366

<210> 25559
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H4

<400> 25559

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ggaagagccg cagcatggca tcacggcccg cgctcttggg gctagccctc gcgctagtgg 120
cggccaccgc cccacaggta gcggaggcaa agaagaagag agcggcggag agcggcgagg 180
cggcggaggc gaagaagatc caggacgact tctgctcgac gctgtgcgag ggcaagaagg 240
ggacggacct ggctgtgtgc aaggagtcct gcgcgctctc ccagcagtc aacctggtgc 300
tgtacggcag gatccagtgc aagggaagt gcaccgagca gaaggcatc acggcgccgg 360

ccatgaaggt ctgccaggag gagtgcgaca aggcgtacgt ggtg

404

<210> 25560
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H5

<400> 25560

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tttcatgtct gatctcgaca ttcagatccc aactgccttc gatcccttcg ctgaggccaa 180
tgctggggac tctggtgcgg cagcagggtc aaaggactac gtacacgtgc gcatccagca 240
gcgtaatggt cgcaagagcc tgaccaccgt ccagggattg aagaaggagt tcagctacag 300
caagatcctc aaagatctca agaaagagtt ctgctgcaat ggtacagtgg t 351

<210> 25561
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H6

<400> 25561

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aaatctgtca taatcagtga aattttggac cccaggacaa aaaatttggt gtcagtgtca 120
aaaattagtg actacgttct ttcaaataa ttagtgagca tggcattggc aatggtcgcc 180
gaagatcggc agataaataa tgtcttggag gagctcttcg ctgaacaagg aaatgaaatg 240
caaatacgac cttctgatat gtaccttaga gaagaagagg aattaaattt ctttgaggtc 300
attctgcgag ctaggcagag gaaagagatt gtcattgggt accgtcttga ggcagctgag 360
cgtgccataa tcaatccaat agacaaaagtt tcaaggcgaa agtggtcacc caaagatggt 420
t 421

<210> 25562
<211> 361
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H7

<400> 25562

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cagaagcgaa ggatcgacca aggtggcatc tgaggcagca gatgtaggaa gatcagcctt 120

gattacagct tctgctttat caaactgtg tgggttcaag attcacgaca agcaagggag 180

aatgcacaga tttaactgtg aaaccagcag cttgacagat ctgataacta gcattcttca 240

catggtttgc gatgacattg acagaaaaca cctgccacaa attttgtatg aagatgatga 300

ccatgataag gtcattattgt cgtccgacag tgaccttata gcttgcgtat accacgcaag 360

a 361

<210> 25563

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H9

<400> 25563

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gggatgaggg ggcaagccaa cggagtggag gaccgccggc agcggggcga cgaccacgag 120

gcggacaacg acggcgagga ggcggaggaa gaggagggcg acgacgaggg ccgccaccgg 180

ggccagggcc cgccgcagca ggggcgccac caggcccaga ggccgaactc cgggccgcag 240

cagcagcagc agccgcgccc gccgcgccg ctcgccagga acgtcggcta cgtcggcaag 300

catcgctctt ccgcgcctat cgccgcctc gaccaggagc tccagtccct ccaggaggag 360

ctggacgagc ttgagaccat ggaatctgcg tccgcggcgt gccaggagta agcagatttt 420

gagtg 425

<210> 25564

<211> 424

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A1

<400> 25564

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cgcgctcgcg tcttctctgt cgtgctcttc ctagccgccc tgcctatggc gccgttcgcg 120

ggcgcgcgcg gcacgcagct cgtcgagggc aggtccatgg cgtccgcgga cgcaccggag 180

gccgccgccc acgtctccgc tctgctcttc ggccccgact cctcctcgac cccgtcgccc 240

gcaccctcca gcagcagctc ttccgactag ccgcccggca gagatatcta cggcggtccga 300

tcagtctttg gcgccaccta taacctatcg gatcctgcaa agctatatat gattctatgg 360

tataatgtgt ggttgcgcca aacgcgcgga aataatgtgc ttgcgtgatt gtttttctct 420

ctct 424

<210> 25565

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A10

<400> 25565

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cccctgaacc ctcagccttc tccgtccgc ctcggcactc gacggccgcc ggcacacacc 120

gcgcagtcctc gagacaggaa ccggaggaa caggatggag gatgactcgc cgctgacgaa 180

gacgatgaag ggtgcggtga caggactcgc cgcggggacc atctggggca cccgtcgctgc 240

cacctgggtac gacgtgcccc gtgtggagcg ccacgtcgcg ctccctggcc ttatccggac 300

gctcaagatg tgcggcacct acggggccac ctcgccacc atcgggggcc tctacatcgg 360

cgtcgagcag ctcgtgcaga gccagcgcaa gaagcgcgac ttcgtcaacg gggccgctcg 419

<210> 25566

<211> 410

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A11

<400> 25566

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaggggg cggtttttaa aaaaaaaacc aactttactc tgcttgacaa 240
 ccaaataaat cttttttaag gggggcaaaa aaaaataaat tggcgggcct ttaaaaaaaaa 300
 aggactggga aaaaaaaacc ggggacaaac caaattaaat tggctgaaaa aaaacttttt 360
 ttaagcaggg ggaaaaaaaa aaaaagggc ccgaatggat tttcctaaaa 410

<210> 25567

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A12

<400> 25567

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 agagcgctga gcagatcttt ccttgtttct tcattccggt acgaagggga ggggtccaag 120
 tgaagagaag agaaggcctg cgagcgatgg gcatcgtcga cgtcgtctcc gagttctgct 180
 ccttgccgag gactcgccgg catctcaaga agaggaagca gttccagacg gtggagatga 240
 aggtgcgcat cgactgcgaa ggggtgcgagc gcaaggtgaa gaaggcgggtg gagggcatga 300
 agggcgtagag ctccgtggag gtggcgccca agcagaacaa ggtgacgggtc acgggctacg 360
 tggacgccac caaggtcatg cgccgcgtcg cctacaagac aggcaagcgg gtggagccc 419

<210> 25568

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A2

<400> 25568

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 tgtctcgtct ccggccgccc tgggtggcaa ccatatctct ggtggggccg cggcgaccac 120
 ggctcctgcc acggtgacgg cgcacgcaa cggcgtctcg gtgtccgccc tcggcgatcat 180
 cggcaagggg aaggaggtgc tcacatgggt ggagtaccag cccttcgagg agatcaaggg 240

ggagctcgcc ctcgagcccc agtacctcga caggctcgctc gagcgccaca agttcatcga 300
cgactgcgag gcagccatca acgagcagat caatgtggag tacaacgcct cgtatgcgta 360
ccactccctc ttctgctact tcgaccgga caacgtggcc ctc 403

<210> 25569
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A3

<400> 25569

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gccgcggcag atcaatctgc cggcgcgcg cgaccggggc ttcttcagcc tgtgaatgat 120
cccaccacaca tccatccacg agcgtgcgcg tagactgatg cctaggtaaa gagaccgagt 180
ttgctgagtg ctagtattaa gttcagcctt catgttcgcg tattgtattg gttgctccgt 240
ttccatctga tcagatgac atagttgttt ccttgatcag atgatgtgta ctagacgttt 300
tgtccagggt gagctgaagc tgtgatataa aatttcatta cgttggtatt 350

<210> 25570
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A4

<400> 25570

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tgagccccct gccgcggtga gccaaagccg cgacgctcgc cccggggctc acgctcacca 120
ccgagcccca accaattaat aatatatata tatagctagg atcgatcgtc agtaaaatgg 180
caggctccgc cgctctgagg agccccctgt ccgtctcct ctacatcctc gccgccgtgc 240
ccgccaccgc cggggcgacg ccgaccgac ccgccatcga cgaggcgtag gcgcatctcg 300
tcaacctcac cgtaaccag gactactggg cggagcgcg gcggggcg cgcggtaca 360
accgcgcggc gtaccagacc gaccccggtg ccgtcgtgca gcgcttcaac gacggcggtgc 420
ac 422

<210> 25571
<211> 120
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A5

<400> 25571

cccacgcgtc cgccccacgcg tatgcttacg cgtgggcgga cacgtaggca gggctcggtc 60
ctaaaaaatc attaacgctc cacaaactat cgacgttttt ttaaactatg aatgatacta 120

<210> 25572
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-A6

<400> 25572

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aagagcacat atgagtcaat caccaaagga aatcctatgt ggaatgagct gccagtctca 120
acaagcactc tctacccttg ggatecatca tctacataca tccatgagcc accttacttc 180
aaggatatga aaatgagtcc tcttgccccg cggcctgtga aggatgcata ttgccttttg 240
aattttggtg acagcatcac aaccgatcac atctcacctg ccggaaacat tcaccagac 300
agcccagctg caaaatatct gaaggagcgt ggcgttgaaa ggaaggactt caactcatat 360
ggtagccgaa gaggaaatga tgagatcatg gctaggggaa cctttgccaa cattcgtctt 420

<210> 25573
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H12

<400> 25573

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tgtgcatggc tgcgcgctgc gctctgggag cttgcactag cgggtcggcg gcctaggcgc 120
ggggcatctt tcgagtgcgt gcgtgtctgt tcaagctctg atcgtctctc cgccccattc 180

gccggaggaa actgaccgcc gccttctcgc tctcgtcttc taccctattc ccggggctga 240
gaggggagga gagaaggcca cgtccacacc ataaagcagg acgtacagac acgtgtacga 300
gggggatcac ggtcgggtga ggtgactaag ctggcggacg gaacgacgac gatggcgagg 360
agcgcccgcg ggatggaagg cagcggcggg ctgaagaagg ggccgtggac gcaagcggaa 420
gacaagct 428

<210> 25574
<211> 399
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F7

<400> 25574

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gtgctggcgg cgatggcact agcatttctg gtaggcgggtg cctgggtgtgg tcctcccaag 120
gttcccccg gtaagaacat cacagccaac tatggtagtg attggctaga tgccaaggca 180
acatggtatg gcaagccaac aggtgccggc ccggacgaca atgggtggcgg atgtgggtac 240
aaggacgtga acaaggcccc tttcaacagc atgggcgcat gtggcaacgt ccccatcttc 300
aaggatggtc taggttgtgg atcctgcttc gagatcaagt gcgacaagcc agcggagtgc 360
tctggcaagc ccgtgggtgt gtacattaca gacatgaac 399

<210> 25575
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F9

<400> 25575

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tggetcgctc tgtccccatc gccgtcgccg tcgcgcctct gtcctgctc ctctcgtct 120
ccactgcgtc cgctgcacgg accgtggcg acaccgtgca ggacgcgtgc agcaagacac 180
aattccccaa gatctgcgtg gacagcctcg ccgcaaagcc agagagccag aaggcgaccc 240
cgcgccggct ggcgagctg ttcgtgaaca tcgcggccga gaagggatcc gggatggcca 300

cgttcgtgca cgggaagtac aacaacgcca aggacagcac cgtgttcaag tgctacgaca 360
gctgctcgga cgacgtcgag gaggccgtcg cccacctcaa cggcctcgtc cgggagccca 420
ccga 424

<210> 25576
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G1

<400> 25576

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tctgctccgg agagagccct tgaagcttgt tgatgggggt cagtctcaga gaacctttgt 120
ctacatcaag gatgccatcg aagctgtagt gctgatgatt gaaaatcctg ctcgagccaa 180
cggccacatc ttcaatgttg ggaatccgaa caatgaagtt accgttaggg agttggccca 240
aatgatgaca gaggtatgcc atatattgtt gaccctgact ggtgtacttg ttacttgttt 300
ctattgtaag tcattctattg tgatcttgtc acgaggttct agtattttcg caacggacaa 360
aagagtttga gagtactacc t 381

<210> 25577
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G10

<400> 25577

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gcgctctttc gctgccacag gaggcgccgc gcgcctccct gtctcctccc cagcgccctgc 120
cacggctgga gcaagaggcg gcgtgccgtt ctgatccaa gcgcccacaa agaagatcga 180
gaagtactcg cccggcttct atgccggctg cactggccga agaatcgcca ggtgccggct 240
taccacatg ggcgtcacgc cttttgacct tggcaagggc catatgccga ttgacccaac 300
caaatacaag agtatctcat ctggatttgg tatectgtta aaggagcaag gggccagggg 360
tttcttcagg ggat 374

<210> 25578
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G11

<400> 25578

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aggcggcagg cgacacgctg gagtatgaga tgttctgcag caagggccta agaccttcac 120
tcagcgacat ctgctggagc agccgatctg aggagaacat ggctccttca gtggttcagc 180
catcacaatt ggagccatcc tcttagaccg tctccgacag ttactcacc cctcttagtc 240
gattgttatt taagtgcagt ctcttcggag atgcaattac agtccatcct ctctttcttt 300
tcccccttct caaagagcta ggaccttggt cgactgacct taaggctgta gggctctttg 360
ggaccatctt ttgccagtt 379

<210> 25579
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G12

<400> 25579

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agggttacga cgacggcttc gaccgcgacg cgcacgacgc cacgcactac atggagcaga 120
tcaagctcgt gggcgccgcc acgttggggg ccgtcctcga ccgcctccac ggcgtgggcc 180
gccccgtcac gtcgctcgtg tacacgtgc tgctgtcgtg ggtggccgac gtggcgcgcg 240
cccgtccgt gccgcgcg ctctactgga tccagccggc caccgttctc gccgtgtacc 300
tccacttctt ccgcgccacg gacggcgtcg accgggccat cgccgcggcg ggcggcgacc 360
cgtgggcgag cgtccggttc ccgg 384

<210> 25580
<211> 390
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G2

<400> 25580

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ccgccgcgag aatgccgttc aagagggttc tggagatcgg gcgcgtggcc ctggtgaact 120
acggcaaaga ctatggccgc ctgcgtcgtca tcgtcgatgt ggtcgaccag aacagggcac 180
ttgtggacgc ccctgatatg gtcagggtgcc agattaactt caaacggctc tcacttactg 240
acatcaagat tgacatcaaa cgcgttccca agaagtcaac cctgatcaag gctatggagg 300
aagctgatgt gaagacgaag tgggaaaaca gtcctatgggg caagaagctg attgtccaga 360
agaggagggc tgcgctcagt gactttgaca 390

<210> 25581

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G4

<400> 25581

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ccgccgcgag aatgccgttc aagagggttc tggagatcgg gcgcgtggcc ctggtgaact 120
acggcaaaga ctatggccgc ctgcgtcgtca tcgtcgatgt ggtcgaccag aacagggcac 180
ttgtggacgc ccctgatatg gtcagggtgcc agattaactt caaacggctc tcacttactg 240
acatcaagat tgacatcaaa cgcgttccca agaagtcaac cctgatcaag gctatggagg 300
aagctgatgt gaagacgaag tgggaaaaca gtcctatgggg caagaagctg attgtccaga 360
agaggagggc tgcgctcagt gactttgaca ggttcaaagt catg 404

<210> 25582

<211> 348

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G5

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tgcgggggct cgggacggga acgggacagg accccaaaat ctcagatcct tectgcccgc 120
 ccgcccgtgc ccgtcgacgc gtcgtttcttg cgggccgcgc cccacctccg cctctctctc 180
 ctccaggggg atcggatacg ccacaggctg cgcgatggtg ctgtgggtct tcggctacgg 240
 ctccctcatc tggaaccccg gcttcgactt cgacgacaaa atcctcggct tcatcaaggg 300
 ctacaagcgc acctttaatc tcgcttgcat tgaccacaga ggcacacc 348

<210> 25583
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G6

<400> 25583

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 caccgtggcg ctggccgcgg aggcgcgggc tccgtctccc accagcggct cctccgcggt 120
 cgcacccgcc atcgtcgggg ccgccgtggc ctctttcttc gcgtactaca ttactgagc 180
 cgccggacga ggagccggag ccggagggaa gagaccaagg tggggggaga gacttggctg 240
 cgctgcgctg ctctgctgct cccgcgcatt cccgatgcgt gggcgtgctc tgattgggca 300
 cggcgggtggc agtggcacac ctctgtcttc cttttgtttg ttcttttttc cttcctcttt 360
 ctacttgatt ttcatttaac gaattggtat cgctgatgca cc 402

<210> 25584
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G7

<400> 25584

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 tctgctccgg agagagccct tgaagcttgt tgctgggggt cagtctcaga gaacctttgt 120
 ctacatcaag gatgccatcg aagctgtagt gctgatgatt gaaaatcctg ctcgagccaa 180
 cggccacatc ttcaatgttg ggaatccgaa caatgaagtt accgctaggg agttggccca 240
 aatgatgaca gaggcacgcc atatattggt gaccctgact ggtgtacttg ttactagttt 300

ctattgtaag tcattctattg tgatcttgtc acgaagttct agtcttttcg ctacggacaa 360
atgagttgga gagtacta 378

<210> 25585
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G8

<400> 25585

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aaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaa aaaaggggcg ccctttttta agaacccaat tttccttacc tttcctttca 180
acttcttact ttttttttag tgccaccta ttttaattta ttgcccttct ttttacaact 240
ttttaattgg aaaaaccctg cctttcccca atttaatccc tttgcataaa atcccccttt 300
tgccacttgg cttattacca aaaaggcctt 330

<210> 25586
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-G9

<400> 25586

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tcacggtgtt catcacagac atgaactacg agcctatcgc tccctaccac ttcgacttga 120
gcggcaaggc cttcggtctc ctggcaaagc ccgggctcaa cgacaagctt cgccactgcg 180
gcatcatgga cgtcgagtgc agaaggggtgc ggtgcaagta ccccgctggg cagaagatcg 240
tgttccacat cgagaagggc tgcaaccca actacctggc cgtgctgggtg aagtttgtgg 300
cggacgatgg cgacatcgtg ctgatggaaa tccaggacaa gttgtcggct gagtgggaagc 360
ccatgaagct ctcttggggc gccatctgga ggatggacac tgccaaggcg ctc 413

<210> 25587
<211> 334
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H1

<400> 25587

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acatgaccct cgatgacatc atcaagaaca acaagaagag taaccctcc tccggcgggg 180

cccgccgcag ccgctgcgga tccgcccctg gcggcagcaa cggcggcgtc gggccgacca 240

agcgctcctt caagaaggct gggaacaagc acgcgcccta ccagccgacg aaagcccctg 300

acgctgacat gcatcacgac atgtaccctg cggt 334

<210> 25588

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H10

<400> 25588

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gtgggaaata aaaagcggag gaggaaggga attaggagga aggatcaaaa acaaagatg 120

cactatgggg aagaggaaga tgagtacaaa gatgaaccag aagcagatga tgactatgca 180

gacctggcga ggtataatgg cgctgacaat tcagagagag cccagatca ccttcttgca 240

gctgctggcc ttgacgattc tgatgccgaa gatgacatgg gtcacctca atctgcaata 300

gaacggatga gacgagcttg gtcagaatct gaagacgatg agccagtga gaagccagca 360

acacaaccta 370

<210> 25589

<211> 82

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-H11

<400> 25589

cccacgcgtc cggtctttta cttgaatatt ggttactgca ttggtctttc actttaaggt 60

<210> 25590
 <211> 419
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-F6

 <400> 25590

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 gccaaaaagg aaaagagaaa agaggaaaag aacgcaggga atgggcaagc agcagcaggc 120
 gccaccggcg cggcgggtcca cggcgatgtc ggcgcctccg ccaccgaagc gccggaagaa 180
 gaagggccgg ccttcctctc tcgacctcca gaagcggagc ctccgcctcg agcagcagct 240
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 ggacgacgac ggccccgcct ccggctccgg ccgccgcgag aagaagctgc gcctcgtcac 360
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 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-E1

 <400> 25591

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 accagcgatc gcccacatggc cgccatggct cgttcctgtc cctcgtcgtt ggcgccccctt 120
 ctctctctct cctcctcgtc ctccgccgcg gccagtgcgc ggaccgtggg cgacaccgtg 180
 caggacgcgt gcagcaagac ccagttcccc aagatctgcg tggacagcct cgccgccaag 240
 ccggagagcc agaaggcgac gccgcgcaag ctggcggagc tgttcgtgaa catcgcggcc 300
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 gacatattca agtgctacga cag 383

<210> 25592
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<212> DNA
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 <223> Clone ID: LIB3066-050-Q1-K1-E10
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 atgttcgtgt tcggcgactc gacgctggac gtcgggaaca acaacttctt gtcggggggcg 180
 gccgtcccca gggccaacaa gcccactac ggcgtcgtact tccccggcgg ccatcccaacc 240
 ggaaggttca gcaatggcga caacacggct gacttcgtcg cgaagagcat ggggttgaag 300
 agtagccctc cgccgtatct gtcgcttgca cccaacggct ccagccctct gtcgcgcgag 360
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 aa 422

<210> 25593
 <211> 314
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-E11
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 gatcgggtcc tacggggagc gcaacgacca ggaagccccg cggatgtacg cggagtggat 180
 ggcgggcgac ggccggacct acaacgccgt cggcgaggag gagcggcggt accaggtggt 240
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 ctttcggctt gggc 314

<210> 25594
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-E12

<400> 25594

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tgcactcggt cggtcgggtcg ctctgttcag ctagctgcat gctcggccac catatctcct 120

ccagtacggt cgtcggttctc cacgcccgtc tctgggtctgc ggtaagcagc agctagagggc 180

cgttggtgtag gctacacaga agatcatcga ggatgctggt gaagaagaac aacagcacgg 240

cgatggcggc gggcggtgctg ccgctggcgt cgctgaacca catcagcatc gtgtgccggt 300

cgggtggaggg gtcgctgcgc ttctatgcgg acgtgctcgg cttcgtgccc atccgccgcc 360

ccggctcctt cgacttcgac ggcgcctggc tg 392

<210> 25595

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E2

<400> 25595

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attctacagt tggccaattt gcattcacia ccgcagaagc tggaaactac gttgcatgct 120

tctgggttga tagtgcagag aaaggatcag gagtatctgt gaatcttgac tggaagattg 180

ggatcgcaac aaaagattgg gatgctattg ctaagaagga aaaaattgag ggtgtagaac 240

tagagcttcg gaaacttgaa gtggcagtag aggccattca tcagaacttg atatacctca 300

aagaaaagga agcagagatg cgaactgtga gtgagacaac aaattcaagg gtcgtctggt 360

tcagtactct gtcgctatgg gtctgcattg cggtatcggg ttgcaagtc cgacac 416

<210> 25596

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E3

<400> 25596

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ctcgtggcca cggccatagc cgcgcgtccc ggcgttgggt ttgtcgtcac cggccgcac 120

tactgcgaca actgccgcgc egggttcgag acaaactgtt cccacgccat ccaaggcgcg 180
acggtggaga tggagtgccg ccacttcgag tcgcagcagg tccacgacaa ggcggaggcg 240
acgacggggc cggggggctg gtacaggatg gagatcagcg gcgaccacca ggacgagatc 300
tgcgacgtgc gcctgctcaa gagccccgag gcggactgcg ccgagatcga ccac 354

<210> 25597
<211> 150
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E4

<400> 25597

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gtgaacccca tggcgctctt gcttgattcg tgtttcacct gttatgttct gagattcatg 120
ataatgctat gagaactgaa attcccgttt 150

<210> 25598
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E6

<400> 25598

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gactccgaca acgacggaag gatagattat tcagagtttg tggcaatgat gaggaaaggg 120
acagctgggtg cggagccaat gaacaacaag aagaggcgag acgtagtcct atagtgggtc 180
agcaagtgtg taatgtgtat aggagctcaa gcaagcaaat ttgtgtatca gtacacagat 240
gcaatggagc tactttttgcg gcttagttca cggatggctg tgtacattgg ggcattgttt 300
gcggggggatt ttaatgctat gcatacttag ggactgagaa agacatggac gagttcatga 360
tgcggtgcaga tcagtctgga agtcctggac caaatagaga gaaaacaata ggatgacgat 420
tc 422

<210> 25599
<211> 258
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E7

<400> 25599

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ggcagcttcc tcggcgccgc cgggcgccgc cgggaccggg ttactacag gttccccgct 180

gccgcggagc ttggggccgg agccggagcc ggacctatcc tggctccgg cgctgacgac 240

caccccgcca ggaacctt 258

<210> 25600

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E8

<400> 25600

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atggaagctc tcaagtctcc cctgatggga ttgtttgaga agcgaagagc tgggaaattc 120

ttcctttatg tccaagatta taaggaaaat gacccaagta ctcataaggg ttacaacctt 180

actaaactaa cgacaaaaga acttatctca aaatatggtt tggatgataa tacgatagac 240

ttcattgggc atgcagtggc tcttcataga gatgatagct acttgacaga acctgcaatt 300

gacactgtaa aacggatgaa gctttatgca gaatcagtgg ctgcgtttca aggaggatca 360

ccatatattt atcccttgta tggttt 386

<210> 25601

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-E9

<400> 25601

cccacgcgtt cgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

gaaggaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaa aaaaaaaaaa aactaaaaaa aaaaaacaaa aaaaaataat tatgaaaaac 180
 atatatttta aaaaaataat ataagacaac ataagacata atatatt 226

<210> 25602
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F1

<400> 25602

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 catgacgcgc ttcgtgttct tcacctgcct ggtggcgctca tcgggcggcc tcatcttcgg 180
 gtacgacatc ggcattctccg gcggtgtcac gtccatggcg tcgttcctca aggagttctt 240
 cccttcctg taccgcaagg cggcgccgaa caaggacacg aaccagtact gcaagttcga 300
 cagccagctg ctgacgctgt tcacgtcgtc gctgtacctg gcggcgctgg cgacgtcggt 360
 cgtggc 366

<210> 25603
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F10

<400> 25603

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 attgtgacca ccgatgtggc gcaggcgccg agggaatgcg agaaggacag cgagcgattc 180
 cttggggcat gcatggcgtc ggacaactgc gccaacgtgt gccgcggtga gggcttctcc 240
 ggcggcattg gcagcacctt ccgccgccg tgcattctga ctaagccgtg ctaaattaac 300
 ctactcccg cagttcgatg gtggacgttt attctattta ttggcttact tgattttttt 360
 tcccctaaca ataagaaaac gcacgtgctg gcatgtacgt tgcgttgat atgcttttct 420
 tgc 423

<210> 25604
 <211> 311
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-F11

 <400> 25604

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 cgggcagcag tagcagcagc cggcgtgtga cgctgggtact gtcggtctc cgctgctgc 120
 ttctggttgg tggtgcgcat gcggtagtgg agttgggtgcc tgctgatgat aatatcgccg 180
 ccgccgctgc tggcacggcg gtggacgatg gcgagccgcc tcagcagtgc gcgacccccg 240
 tgagcgtgta ggatgcgtgc cgcggcgcggt tcgagacgca cgccggcgtg gcctacgacc 300
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<210> 25605
 <211> 427
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-F12

 <400> 25605

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 tctggcggt accgcacgn cgacgacgtc atccccgccg atttcaaggc tggcacaacc 180
 tattagacca cactcaacat tctaataaac ctctcatgat gaaatatatt tcaaaagaac 240
 tcaactaacg catgtgttac aagacaatat tattttttca atggcttttt ttggcaccag 300
 accacccaag aaataagtta tgctacatgt ctcttctgac cccttggtgt gttgggttga 360
 tattattaca taaactaaat acattattta tttaagattt taggagaaat atgttgatct 420
 gatccac 427

<210> 25606
 <211> 330
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-F3

<400> 25606

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tctctggccg tctcgccgcg gcggagaaga ctttccgcgg aggtggaggc ggaggctacg 120
gcgggttggg ggccggtggc ggaggcgccg gcggctattc caccgccgagc gaggcggcgc 180
catccacgcc tgccgctggg gagacgacta ccccttcgtc aggcggcggt tactccactc 240
ctagcgtggc ggcgccatcc acgcctgccg ctgaggagac gacgacgact ctttcgtcaa 300
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<210> 25607

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-F5

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gaaattccct tgaattcagg gtccgaaagg aatatgtttt ccgaaattga cgttgtttaa 180
tataaattat agcatttttg ttttaaaaat attaaattta tttgattttg acgtaaaatg 240
cctgaaattt cggaatttcc tgcttttctg tggagccaat ttttttctt ttcagaaact 300
gtgaaccctg cctcacttag gtgctctagc cttcgccgnc ggaatccatc cagattataa 360
gtgttcccg tctcgctatc ttaccctatg ttttaccac ttaaagaaa ctatt 415

<210> 25608

<211> 422

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D9

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tggcggctgg cacttcgtcg ttaatccctg aacaaagaca gaactccga aatcaacttt 240
cccgccagtt ttgcagccta aacatcaagc gcgccattgt ttggcgccat tttctctcgc 300
agcctcaacc tgatcaaccc gttgctgctg ctcccatcca tccccgtgct gcagcttgca 360
tcaccttccc gtgtgcgatt catgagagcc cacagccact gtctctgagc gagcattgta 420
tg 422

<210> 25609
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C12

<400> 25609

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gacgaccttc gccgtcatct tatecgtcct cttctgtgcc gcggctggca ccgccgtcga 180
caacgacctc ccgactacg tcatccaggc ccgcgtctac tgcgacacct gccgcgccgg 240
gttcgtgacc aatgtcaccg agtacatcgc gggcgccaag gtgaggctgg agtgcaagca 300
cttcggcacc ggcaagctcg agcgtccat cgacggggtg accgacgcga acggcacgta 360
cacgatcgag ctcaaggaca gccacgagga ggacatctgc gaggtggtct tgggtggagag 420
cc 422

<210> 25610
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C4

<400> 25610

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tcatgtcatt gtactgtcgg caacaaatct agctgatgtt tctgatcctg cccttaatcg 180
 cactggcaga ttgaccgtc tcgttatgct ttaagctcct gataggtttg gaaaagaatc 240
 aattctaaaa attcatgtca aaagaagata gcttccactg aataaacatg tacatctaata 300
 caatatagct gcaatgacaa c 321

<210> 25611
 <211> 387
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C5

<400> 25611

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 ccttgccccg ttgccgagac gccgagtaag cgtcgaccgt cgtcgctgtc gtcaccgagg 240
 tccagcgcgc aacagcccag cttcaagcct ccagccatcg gcgccccgcc tcttcgcgcg 300
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 tgcaggtatg caacctcttg tgatgcg 387

<210> 25612
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C6

<400> 25612

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 accaaaccaa gcggcaaagg tcaactggaat gcttttggag attgatcaca ctgaagcact 240
 tcaactgctt gagtaccctg atgccctcaa gtcaaaggta gctgacgcga tagatgttct 300
 acacaatgcg tcccatcagc aaaacgcaaa cacttggacc agtcagcttg ctacattatc 360

<210> 25613
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C7

<400> 25613

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 tccaatgcct acaagcagge gagcacgtg ctggcgctct tcgccggcg cgacgggtac 360
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<210> 25614
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C8

<400> 25614

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 aaaagagatt ggctggattt acggatcgat cacagaggat atcttgactg gatttaagat 180
 gcactgccat ggctggcggt ctatttactg catcccgaag cggcctgcat tcaaagggtc 240
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 cgaaattttc ttcagcaagc actgtccact ttggtactga tacggcggcg ggctaaaatt 360
 cctggaaagg attttttata tcaac 385

<210> 25615
 <211> 428
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C9

<400> 25615

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tgtccacaag catatgccaa tgacatggac tcctcagaag aggatgaatt ggatgacaat 180
ttgaatgata tttttggcct taatgatgat ggcattactt cgtctgtttc tgctccagg 240
gaccagctaa agtataacct catatcttgc aaacaaatgg ttggtatttt tgtcacagtc 300
tgggcaaaga aagaattaat gcagcatatt ggacatttga gaacgtcctg tgttggtcgc 360
ggaataatgg gatatcttgg aaataaggga tgtatatcag taagcatgac actataccag 420
acaagctt 428

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<210> 25616

<211> 170

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D1

<400> 25616

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aaaaataaaa aaaaaaaaaa aaaaaaaaca tcaatattta aaaaatccaa attaataaac 120
aattacaaat aaatatataa atataatata aaacaacata aatacaataa 170

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<210> 25617

<211> 408

<212> DNA

<213> Zea mays

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<400> 25617

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acatcacgga catgaactat gagcctatcg cggcgtacca cttcgattta gcaggcacgg 120
cgttcggcgc catggccaag aagggcgagg aggagaagct gcgcaaggcg ggcacatcgc 180

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acatgcagtt ccgaaggggtt aagtgcaagt acgactccaa gggtcaccttc caccttgaaa 240
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 ttgtggcagt ggacgtcaag gagaagggct ctgacacgta cgagccccta aagcactcct 360
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<210> 25618
 <211> 308
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-D11
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 caaaaggagg ggagatgtga gacaaaggac aggagcgcct agcaaatcaa aaggagctgg 180
 aaaacgaacc acgggaaggc aggatgatgg aaagggacaa tcgtcttcct aagcgggttcg 240
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 ctgaatcg 308

<210> 25619
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-D12
 <400> 25619

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 ccccttcacc gttggttgcc tcgtgccgtg gcctgggaag tcgatgactg ctcatcatgg 180
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 tcacgagcga gggtcacgagt catctgaaga gcaagttggt acctggaatc tcaagtgcc 300
 ggtcaagaac aggtaccaca ggatgaggcg cttggaggat gctgtgatga gttcgtgagt 360
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<210> 25620
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D2

<400> 25620

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 aacattcaca tgaacttact tcagctacta ataatacaag gcgacggtag atatagagag 180
 catcttctgc tagtctgggt gtaaataaac gatcttgaaa cgctgtcttg agccgctata 240
 cttttgtttt tccttctttg tgcggagcag gtgcgtgcag ctcagctgag ctcagcagag 300
 cggcaggggc gcgcggttcc actccttgag gcactcgagc agcgggtcga tgtgcttgcy 360
 ctggttgatg gccacgagca cctttgtgag c 391

<210> 25621
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D3

<400> 25621

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 ccatctgaag agacagaaga tttggatgag cctagcaatg tggacagaac agagaacacc 120
 catgaggaag tcagggccga tggccctgaa gatgacggtg agagcagtaa cagagcgtgg 180
 gcccttggtc cttggttcag tgggctattc tcaacacctg aaccacaaac tgtcagaggc 240
 gctttcactg atcagcagac tcgctccact tctggaacca acctgaatgc tggcgaaaagc 300
 tgatctcttc ctcttttggt aataattccc ctacatctga gaatagcaat ggaccttgct 360
 agtagataac ttaattttct gtactgataa ttcttcttgg atgaa 405

<210> 25622
 <211> 399
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D4

<400> 25622

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gggtccctccg gttgcgcggg tgagcgcgcc cggctctgctt cctccgggtg cgagttccgg 180

atccccgcta gctgttacgg cggccgtcgc gcctttgttt gcgggttgccg cgcgggctgc 240

tgatccgcgc gtgtacaacc aggaggctcg ggaatccctg gcaggctctg gcgtgatagc 300

ttcgaccatc gagtcgggaa tccgtccgtg gcttcaggcg cttaacggtc gccttcggca 360

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<210> 25623

<211> 105

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D5

<400> 25623

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taatgatgct cataaaatgt catgtaacgt acgtatttgc gtgtg 105

<210> 25624

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-D6

<400> 25624

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gcatacccc ttctccgtcc tcccgcctgc cgccatgtct tcgccttcgc cctcgccgcc 120

ggcgccggcg gaagaggagg gccgggcgcc gaccaagtac gtgctgatca ccggcggcgt 180

cgtcagcggc ctccggcaagg gcgtcaccgc cagcagcatc ggcgtcgtcc tcaaggcctg 240

ggggtccgc gtcacttgca tcaagatcga tccatacttg aacacagatg ctggtacaat 300

gtcccccttt gagcatggcg aggtgtttgt tcttgatgat ggtggagagg ttgacttggg 360
 tttggggaat tatgagcggt tcatagatgt tactctgaca aggataacaa ca 412

<210> 25625
 <211> 421
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-D8

<400> 25625

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 gcggcgggcg cgcagcaggc tctgatcgac gcggacctgc gggagctcgg cgtcgccgcg 180
 cggaagctcg ccaaccacgc attcgtcttc ggcgggcgggc tggggttcgg cacctccttc 240
 ctcaaattggc tggccttctc cgccgcagtg tatctcttga tattggatcg cacaaattgg 300
 aagaccaaca tgctgacagc tctcttggtt ccttacattt tcttcacct gcctaattgt 360
 cntgtttctc tgatcagagg agaggtgggg aaatggattg cgattattgg ctgtattctg 420
 c 421

<210> 25626
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C11

<400> 25626

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 gccgtgctaa attaacctac tcccggcagt tcgatggtgg acgtttattc tatttattgg 180
 cttacttgat tttttttccc ctaacaataa gaaaacgcac gtgctggcat gtacgttgtg 240
 ttgtatatgc ttttcttgct ggcttcattt gctgattact gatgagttgt aaggctccctg 300
 cacgatccat ttcacatgga tatgatgctt aattgtattc ctgcttatat ggtatctata 360
 ttttaattaat taatgatgga ccatcgagtt tattttgtat ttttgacata ttcg 414

<210> 25627
 <211> 411
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A6

 <400> 25627

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 tcgtggtgct cctcctggcc gccgtcgcgg tggcgccgtt tgcgggggct gcgcgtgtgg 120
 atgtcgtgga gggcaggtcc atggcgctcc cgcacgcgcc tgaggcggcg gctgacgcgc 180
 ccgtccccgg tcccgactcc gctcatccc eggactcgcc gtcggaggcg ccctccagca 240
 gcagctcatc cgactagccg cgcacaacgc agttcttgtc atgatctatc tagcaaataa 300
 aaagatcata tgtctcgttt gattctctgg aataactaat agtatatatg ctgcgccccg 360
 atgatatata aatatgtgca tcaaatgcgt gcggcaaacg catggaatgt g 411

<210> 25628
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-A8

 <400> 25628

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 atattaacac ttcacattct ttaagatgac aacatagata ttgtatggat tcttagtggt 120
 gactcttccg agtcctagaa ctgtgtcaac catcatataa agtagttgct tcttcatgtc 180
 agatagtcta tttgattttg tattgatgtg gacatatata tgcttgacat tgtgattatt 240
 tgctaaaaaa aaataaaaaa aaaaaaaact ataaaaaaa aaagaaataa aatgaaaaaa 300
 aaataagaaa ataataacaa aatggaacca aaaaaaaaa caaaaaacga aaaagaccgg 360
 gaaaataaaa aaagggggcg ccccttttaa agg 393

<210> 25629
 <211> 289
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A9

<400> 25629

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ggtagcgcga gcgcgcggca cctcgggcgc gaggatgcta ccccgtcgcc tgggcaggca 120
gccccggcgc acaagcacga gcgcgggtccc cagcagcgtg ctggctcgtg gccacggcgc 180
gagtgcgctg ccatggctgg gcgaccaggc atcagcgcaa gcacatccca actcgggtta 240
cgccatggca ggggctgcgc ccaccgtcgc tgttcacttg gacgcaaac 289

<210> 25630

<211> 421

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B10

<400> 25630

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cgacgccatc gtccccaaca gcaagcgacg gcgccaccgg tcgccgcccg ccgcttcac 120
ctcctcctcg cacagcagca gcaccacaca gaaagaggaa ctggaagacg aggaggagga 180
catggccaaa tgctcatcc tcctcgccca gggccccgcc gccattgagg cagctagagt 240
aatgccggca ccccgtagca ggccaaagag cacggggagc cgcaggttct tggccgccgc 300
cgaggccaga ggtggtgtgt gcgtgtcgta cgagtgaag acgtgcaaca ggtgcttacc 360
ctccttccag gccctcggcg gccaccgcac cagccacaac aagcatccgc gacggccagc 420
a 421

<210> 25631

<211> 418

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-050-Q1-K1-B11

<400> 25631

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cggccacgcg tccgcccacg cgttcgccc cgcgtccgga cagggcgagg aaatggaata 120
agacggctat tccaatccta atcgggacaa agttcgatga ctttgcccag cttcctcttg 180
aaatgcaatg gaccattggt aaccaggcca gagcatacgc aagagcgatg aaggcgaccc 240
tcttcttctc gagecgagcg cacaacatca acgtgaacaa gatcttcaag ttcacacgg 300
ccaagttctt cgacctgccg tggacggtgg agcgcaacct caccatcggc gagcccatca 360
tagacttctg acgacctnct nctctagcta agtaattagg cagcacacac gacgaccc 418

<210> 25632

<211> 420

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B12

<400> 25632

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ttaggaatta ttccaggatt tggaggaaca cagcgactcc cagcactggt tggcttgaca 120
aaatcttttg aaatgatgct gttatctaag ccaatcaagg gcggtgaggc acaccaactg 180
ggtctggttg atgccttagt ttctcctaag gatttgggtga atactgctcg tcaatgggct 240
ttggatatat atgaatgtag gaggccttg atcaaaagcc tttataagac tgacaagcta 300
gaacctcttg gggaggctag ggaaattctg aagtttgcaa gagctcaagc tcaaaagcag 360
gcagctaata ttcacacccc acttgtttgt attgatgtca ttgaagaagg tatagttgca 420

<210> 25633

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B2

<400> 25633

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cgtggcagac atacgtcgat gagcacctga tgtgcgagat cgagggccac cacctgacct 120
ccgctgccat agtcggccac gacggcgccg tttgggccc gagcaccgca tttccacagt 180
tcaagacaga ggagatgacc aacatcatga aggacttcga cgaagcccggg ttccttgccc 240

cgaccggcct cttcctcggc cccaccaagt acatgggtcat ccaaggcgag cccggcgctg 300
 tcatccgcgg gaagaaggga tctggaggca taactgtgaa gaagacaggg caagcgatgg 360
 tggtcggcat ctacgacgag cccatgaccc cccgccagtg caacatg 407

<210> 25634
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B3

<400> 25634

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 tctataaccg ccatgaccgt gaccttggtta gttegtctgc acaagatgat attgatgatg 180
 aatgggactt tgaaaatget catgagattg tcttgaagc acctaacaat gttaatgact 240
 ggtaccctat agatttttctc gtatttcac cttacaagga gattgtcttc ttttccttat 300
 catggaagac aatatcttat aatttgaata ccacaaaggt tgcacagctg ggctgcgcag 360
 ctcatatacc ggtgggcata aaaaccttgt tttcatacac 400

<210> 25635
 <211> 355
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-B4

<400> 25635

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 gttgttgaga agtccactgt ccctgtcaag accgctgagg ctattgagaa gatcttgacc 180
 cacaacagca agggcatcaa ctaccagatc ctttccaacc cagagttcct tgccggagggc 240
 actgccattg aggacctgtt caagcctgac agagtgttta tcggtggccg ggagaccctt 300
 gagggcaaga aggccgtcca ggctctcaag gatgtgtacg ctactgggt tcccc 355

<210> 25636

<211> 380
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-B5

 <400> 25636

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 tcatgcactt ggcggttcttg caattgcagc ccccttctcc tcctcatcct tgtcggggca 120
 gttagctagg tgagaatagt gcagtggagc tcaacaggcc agcgataagc aattaatgga 180
 ggtagaggct tgctacaact atggcttcct acctgcagac agaggcaggc accaaccacc 240
 acctgcacca catgccaccc ttcttcacgc tgcagaggat gcaggtgagc tgtgggagta 300
 cttcccttgc ccccttttgc acatcgaggt ggagggtgccc ttcattctgca accaccttca 360
 ggaagaacat tgctttgaca 380

<210> 25637
 <211> 394
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-B6

 <400> 25637

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 acgaagctgc tgctgctacc ggccgggccg gcatgacgat gacacggacg atgtgcctag 120
 gcctgctgct tctactactg gcggcgggcg cgacagcgac ggcgctttca cggtcggcga 180
 tgtggatgag tacgtgtcca agcgcacgca ggagtcccg cagaggaaca acggtggcgc 240
 gggcatcgat gacctcatct ncagtgcggc gcgcttccac gccaacgtgg atgcacgcgc 300
 ctatggccgt agatccgacc tgcaggagga ggcaacagct accgtaataa ccaaagcgga 360
 agcacaagag gcttcagctg aaggcaagct ggac 394

<210> 25638
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-050-Q1-K1-B7

<400> 25638
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gtgccggagc ccctcggcgt cgtgctcatc atctcagcct ggaactaccc tttcatactc 180
tctatcgacc cagtcattgg agcaatcgct gctggaaatg ctggtgttct gaagccatca 240
gaaatagcgc cagctacctc gtcactgtta gcaaagctgc tacccgagta tgttgacaac 300
tcctgcatta aagttgtgga gggaagcgtt ccagaaacaa ccgcactctt ggaacagaga 360
tgggataaga tcttctacac aggtaatgga act 393

<210> 25639
<211> 353
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-050-Q1-K1-B8

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cctcgccgtg gccgcgtccg ccacagtgcc ggcgcacggc cgcgataccc cgactgagat 120
caagctcatc aaaggcacgg acgcctccgg cgtgggacgac gacagcatgg agtgcggtga 180
cacggtgttc atccggacgg ggtcgatctt gaaggccggg acggacgcga acgtcacgct 240
ggagctggcc gccgcggacg gcaacggcgt ggggatctcg aacctgcccc cctggggcgg 300
gctcatgggg cagggctact cctacttcca gcgcagcaac ctggacatct tca 353

<210> 25640
<211> 325
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-050-Q1-K1-B9

<400> 25640
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caaagatgca gatcttcgtc aagaccctca ctggaaagac tatcaccctc gaggtggagt 120
cttctgacac cattgacaac gtcaaggcca agatccagga caaggagggc atccccccgg 180

accagcagcg gctcatcttt gctggcaagc agctcgagga cgggcgcaca cttgccgact 240
acaacatcca gaaggagagc accctccacc ttgttctccg cctcagggga ggcattgcaga 300
tcttcgtcaa gaccctcact ggaaa 325

<210> 25641
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C1

<400> 25641

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tgtcgacgac tatggtttctg agtttcgact ttcaataata gtaacaacaa agcaaaggcc 180
ttctccccgg cgtatttctg ttggtctctt tctccacgc cataagatat ctagcaattg 240
gtcactcgcc ttaattagtt cgctttgctt ttgacgttga ttcgaccatt ttgctgtaac 300
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<210> 25642
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-C10

<400> 25642

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tactacctta atcgtcatat tctctgact attctatacc tcttctgata ctttcgctta 180
ctactatctt ccctactaca tcatacactg acgattttac taccaaacct gatacgcacg 240
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ctt 303

<210> 25643
<211> 372

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-A5
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 cgcaccaaga tgcccagagac ggcgcggtac acggcgctgg ttgccaagaa cgccaagcag 240
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 tttgggctct tc 372

<210> 25644
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-G5
 <400> 25644
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 cgccgacgag caccctaaga tcgcctcgtt cggggacctg ggggacgccg tgttcggcgc 360
 gcacggggcg ttcgccgtgg acgtgatgct ggtgctcag 399

<210> 25645
 <211> 407
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-G6
 <400> 25645

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 cgccggcaag tccaacctga tggacgccat cagcttcgtg ctgggcgtgc gctcaacgca 360
 ccttcgaggc gcgcagctca aggacctcat ttacgccctc gacgaccgc 409

<210> 25648
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H1

<400> 25648

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 ctagcaacct gactgatgcy tttgacgagt acttcatgaa gtctgccttc gggtagagact 180
 ttgcacatta ttgtttcaaa gaacgggtact atgctctatt gagccagagt tgtaactact 240
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<210> 25649
 <211> 393
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-049-Q1-K1-H2

<400> 25649

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 cacctnetgc accccggagg ccgttagcct gctctgcact gccaaagtcc catgcaccgg 180
 cgtcaccatg gatgacgtca acgtcgagta tagcggcacc aacaacaaga ccatggctat 240
 atgcacgaac gccaaaggga gcaccaatgg ttgcctaaag agcttgcatg cttctagacc 300
 ctncatcgac tgacctatct ctctagttat aatttttctc tcgtcaaaaa aaaaaaagca 360

acttttaaagc ttcgccatta aaggacctta tat

393

<210> 25650

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H3

<400> 25650

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gggccaaatc aagacgggag ctccttgccg gtctgagcgc ctggccaaat acaaccagct 180

gctcaggatc gaggaagagc tcggtgatgc cgcggtctac gccggagcaa agttcagggc 240

accagtggag ccctactaag aaaggaagag gatggggatg ttttcttgtg gagctatact 300

agctcgctgc tgccttttgt tacaatgttt gtacggtcgc aataaatgta tggtcgtggt 360

tgctcgagag ctactcaggt gattttgtcg tgggagcacc aaaag 405

<210> 25651

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-H5

<400> 25651

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taacatctcc tcgaacgcca ggatccttgg accactatat ccaggagcga cgaagtgatc 120

cacccgccag cacatggaga tgaagaaggt cctgtgcgcc ggcctcgacg acgccgcctg 180

ggccaccgcc gtgctggcct cggtcgcctc cgaggcgccc tccgaggcgc ccgccggggc 240

ggacggtggt gctgctggcc ctagcgcaag cggcgctgc gtcgtcgtcg agcccgccctc 300

gctggcgctc gtcgctgct tactcgcta ctacctcac tgagcgacta cgcgcggtgc 360

ggtaacgagc ggatgcatcg agtttg 386

<210> 25652

<211> 411

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-H6
 <400> 25652

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 tgatatattg gggttctagt ttaacgtgaa ggaatcaatt catgctatcg gtgccaatgc 120
 tgatccaaag gatgctggag atttccttgc atacctgcgg aaatcttcaa aggggtgggtgg 180
 tttctgggtc tcagagtcta agatcaagaa aggtggagtt ttggcacact tgaaaccaat 240
 tgctgatgaa aatgatttct gtagctgcct aacatcgtat tttgggccag aagttagtcg 300
 gatcaggagt gcaattgaca gtaaatacaa gaatactctg gaggatctgc taagctttgt 360
 ggagtcacat aattcaacca caaggctgaa ggaattgggtg ccataccttc a 411

<210> 25653
 <211> 396
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-H7
 <400> 25653

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 attaaaatgt tattataact taatacattt ttgttggaa aattgtacaa tgttctggat 120
 atttcctcaa agattttgta ggcattgtta tgtgggtaca tcacttgtat tttattctta 180
 tgtactgtaa gtgagctaga aatctgtgaa gatctcaatt agatactcat ttcccttctt 240
 catgtagtca tggttttttg tttagacgat gcagtttcta ttggctcttg atattacctc 300
 atcagagttt tttttctgcg ctattgcagt aactctattt cttgatcaac atcaacatgt 360
 cgcgaggagga taatgtttac atggccaage tggctg 396

<210> 25654
 <211> 178
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-049-Q1-K1-H8
 <400> 25654

653433.4446666

tgcacgtatg cgcgaccatc gacgtgtgac tcagatgtag gggactctgc aaccggggca 60
agctcgttgg aacttttggt tactcgatca ataaccacgt gaacacgctg agtctcgag 120
catacactag ccggtccgtg agctggtcac cgtgcaggta gaacttctaa cagccgt 178

<210> 25655
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A1

<400> 25655

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ggtggccacg atgacgacta ataagcccct tctcctctc gccctggcgt ccgcgctcct 120
tggtgcggcg ccggccgccg cgaacgcgcc cggcggggcg ttcagcaact ggggtggcgat 180
gaaccagcag agctacgcgc tgtacgcgca gaagtccgtc ggggacgggg gcaaggagcc 240
cctggacaag aagctgtcgg agggcgagaa gaagaaggtc acgtacgtgg tggacccag 300
cggcaagggc gactacacca acatcacgcg ggcgctggag gatatcccgg tgagcaacac 360
caagcgcgtg atcct 375

<210> 25656
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A10

<400> 25656

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gaacgtgagc agacattaaa ccaattgctc acggaaatgg atggctttga taccaactcg 120
gctgtcattg tactgggggc aacaaatcga gctgatgttt tggatcctgc ccttaggcgc 180
cctgggagat ttgaccgtgt ggttatggtt gaagctcctg atcagtttgg aagagaatca 240
attctaaaag ttcattgtgaa aagaagagag cttccactga gtacagatgt agatctagcc 300
aatattgctg caatgacaac tggttttacc ggagcagacc ttgcaaactt ggtaaacgaa 360
gctgctttgt tggctggggc attaactaaa gaaatagtgg aaaagggttg ct 412

<210> 25657
<211> 336
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-050-Q1-K1-A11

<400> 25657

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gaagcccggc cctccgcag cgaagctcgc gtcgcgtcc ttctcggcg tcatcctcct 120
cctcgccgcc gacgcctccc ttaccggcgc cggcgcgac cgcgcnctgc ggcagcagta 180
cctgcattac gtcggcggtg gcgttggcgt tggcggtgga ggcggaggca tcaccgactc 240
gctctcgtgg ctctccgtgc cggaccgccc caacttcacc gacgacctac tcgcgcggtg 300
gctcgcgccc ggggggttccc cgtgccggga cgcgcg 336

<210> 25658
<211> 337
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A2

<400> 25658

cgcggtcttc ctctgccccg caccggcacc gctagggttt tgccgccgac ctctcggtgg 60
cttccggggt ccgcgaggca accgtccgga ccggccggtc gaaatggtgg atgtggagga 120
ggtcgggaac aagatgcaat cgcagatgcg cctgcacgcg gagccggatg acgccgccgc 180
cgacctcccc ctcccggcgc tcttcgacag ggcgtcgcg cttcacgccc tggcctccag 240
ctccgccctc gaccaggatg ggatccgcac cgggggttag ctgctgcggc gctgcgacga 300
gatggtcggc aggtcggtc ttttctcccc caacgag 337

<210> 25659
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A3

<400> 25659

cccacagtat ggctgtaggt aatcctgcaa aggtagttgg ttatacagag aaagaggagg 60
 cttctttaac tatgaaacat gatgcaagga gagattattht tgagcatgct gccatcagat 120
 tgagatgatt gatacaccta atgacgagtc ttctttctat tegtctgtgg aatactgtgg 180
 agtaaaaaaa gttccaaatc gccttattgg caagaagttt tgtggagtta aaaaaaggtt 240
 tegtctgtctt actcgcagga aaccttgtga agttaaaaaa aaaatgtttg acgaaacgca 300
 tacggatgcc attccggaca ttctgtcaca ggcacaaggc tggatagtcg atgagctct 359

<210> 25660

<211> 341

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-050-Q1-K1-A4

<400> 25660

cccacgcgtc cgggccgttg agtcggcggg cgattccaaa gacagcagcg gaggcggagg 60
 catccaagtc ctctccgctc actttcctgc tcgacgcggg cttggccaag ctcggttgcg 120
 tgctggaccg gctacgcgaa aacgacagcg aggaatctgc catgtaccgg ggcaccatca 180
 ggcgccatgt ggacttggag actctgcggc gtcggctgaa cgcgtcggcc ggctcgcgcg 240
 ccgacgatga cagccactcc tctgcgcacg agctctatcg cgacctgctg ctgctctgca 300
 ccaacatcgt ggtcttcttc ccgggtggca ccccgagaa c 341

<210> 25661

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G3

<400> 25661

gcgaagcgag caaaccagc catggagaag gcgatcgatc ggcagcgggt cctcctggcg 60
 cacctcctcc cctccccctc cgccgcctcc tcgcagcctc agcttgccggc gtcggcgtgc 120
 gcggccgggg acagcgccgc ctaccagagg tcctcctcct tcggggacga tgtcgtcgtc 180
 gtcgctgcct acaggacgcc gatatgcaag gccaaagcgag gaggttcaa ggacacctac 240
 ccagaggacc tcctcactgt tgttctcaag gctgatctgg acaacactag aatcaatcca 300

gctgacatcg gtgacatcgt cgatgggacg gtgctcggcc ctggttccca gcgtgcaaac 360
gagtgcagga tggctgcgtt gtttgctggc ttccctgaaa ccg 403

<210> 25662
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E2

<400> 25662

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gccggtcgtc gatcgaggaa ccaagctgct gctgctgcta ccggacgaca ccaaccatga 120
tacggaggac gacggtgtgc ctaggcctgc tgcttctact actggcggcg tcgactgcga 180
cggcacattt ctcgatcggc gacgtggact agtacttgaa caggcgcacg caggagtccc 240
gccacaggaa ccacggcggc ggcgagatca atgacctcat ctacagtgtc gcgcgctttc 300
acgccaacgt ggatgcacgc gcgtatggc gccgctcaa cctgcagctg caggaagaag 360
aagcagcagc taccgcggtg cgtgtaacca aagcagaaga acag 404

<210> 25663
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E3

<400> 25663

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aggccgccct ctacatttct cgacataacc atcgagaggg cggtcgagag aaacgagagc 120
ggcagacacc atggggagct cgaggacat cgttgcgtcc gccctgctcc tcctcgccct 180
cctcctctcg gctttcgcgg gcaccgtcga ggcccgcgtt gaccccgagc tgtttggcga 240
ggaccaattc cagcggacat gcaaccaggt gcacttgagg aagatgtgcc agagcttgac 300
gaggctcccc agggtgacaa cgccgcgcga actgctgcta gcgtcgatgc gcgtcgcggc 360
cgacaaggcc aatgaggcca agagccgggt ggaccagttc g 401

<210> 25664
 <211> 336
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-E4

 <400> 25664

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 aggccgacct ctacacgggt cgacataacc attgagaggg cggtcgagag aaactagagc 120
 tgccgacacc atggggagct ctaggaccat tgttgcgacc accgtgctcc tactcggcct 180
 cgtactactg gctttcgcag acaccgacaa cgctcgtgtt gttgcagaac tgtttggtta 240
 ggaccaagtt cagtagacat gcatccaggt gcacttcagg aagaaatgcc tgagcttgac 300
 aaggctcccg agggtgacag ctctgcgcga actgct 336

<210> 25665
 <211> 357
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-E5

 <400> 25665

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 catgaagcac tgatccgtgt gttgccctac gagttggcaa gaagaaactt cagacgagcg 120
 tgaagaagag atctgtgaac ctcatctggc acgaggagct aactctgacg gtgacatatc 180
 ccaacctatc tctgaagctg taggtgttag acaaggacac gttcatcagg gacgacccga 240
 tggctgacga tgataatgac gtggcgacaca ttgtggaagc agcgatcgcg agcacagacg 300
 cgtgcctgag gaacgggacc atcatgctga acgggcagcc gatcgccacg aactgcc 357

<210> 25666
 <211> 332
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-E6

 <400> 25666

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catgaacttc aggcggaaga gcacaattgg ttggagcggt ggcaatatat tacttgatct 120
cacaggaggg gtgctgaatt tttgtcagat ggggtgtgcag tctatagatc aacatacttt 180
ggatgaatttc tatggaaaca ttgtgaaaac ctttctttca ttggagacgg ttttctttga 240
tgtcctgatc attatccaac actacgtggt gtaccctgtc tagaaggacg agaatggtaa 300
ggcaatcatt tctgaaaggg tatccccct ta 332

<210> 25667
<211> 400
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-049-Q1-K1-F1

<400> 25667
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cacttaatcc tacgtctcgt tcctctctcg cccccgtac cctccatagg catgggaatg 120
gggtctgcga gagggggcgc agggggctgg ctccccggcg agcgggtggcg gcgggtcatc 180
ttcctcgctc tggcggccgt ctcgttctc atctcactca tactcctctt cctatccgcy 240
ccgcgtctgc gcctcccaag tgctgtcctg ccttacacca ccggttccgc ttctgccgtc 300
cgccgcgggc ccggcgagcc gccctgcctg gcgtacctgc tgaccggcgc gcgcggcgac 360
gggcgccgnc tntcagggt cctnctcgcg gtttaccacc 400

<210> 25668
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F2

<400> 25668
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catcctggac atgtttaagc cccaccgagc agacgatggc gctatattca ttgatgggca 120
ctagcaactg gtctagcaag tttcagttgt ctacatcaag tctgccttcg tgtgagattt 180
tccgcatttg tggttgaaga cgggttttac gctcgattga gccaaagtgt tttatcgtag 240

caagattgca tcacaaatgc cctgtgcatt tggtttttca gagctagcga ccatgttcca 300
atgtcacgta caaatataaa ctatgtggta tttgctacct taactcgtat tgctatgtat 360
tcaagacatg cgttaactgt ggctatcgtg atatatacag catg 404

<210> 25669

<211> 402

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F3

<400> 25669

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agagaatgga ggattcagtt actatagttg atcatggcaa aaaggctgaa aaggatgatt 120
ctctgttattc gtgggcaagg tcaccagacc gattacttca tcaagataca tgtcttgcatt 180
tggctagctc ctttgtcctc ttgaggttgc ttcatttcct tcttcctaag cttaatgcat 240
gtatgaagca agcctggagg atgcgactgt atgaattgaa taggttgttt cctagcttgt 300
cttgaggaag gcaatatgga actagaaaac ttcaactgac tctcgaataa ggcagcatac 360
ttataacaag tgatgcagac aacaaaccgg atcactagga ag 402

<210> 25670

<211> 283

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F4

<400> 25670

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gggcttaaga attgtttagg ggcctctgtt catcatggta aacatgctaa ttatgttaac 120
actggctgat tgtatgggac ctcttcagag cattcctttc tccaagggtc ttaaaaaaag 180
tgactaacca tatgttttca gtgtaattat gaataggtat aggaaacttt ggcttttgaa 240
tggaaaaact ttctcatgac acaacgaatg gaaataaaag gtg 283

<210> 25671

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F5

<400> 25671

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gcttaccatc tgagcagcca gacttccacg ctgcagggag agacgcaaag gatacaggtg 120

ctgcctggct gagacgatgg cgggagggcg ggaccactcc cacaccaacg gagggccacgt 180

cgaccagagg gccttggacg agggcatgaa ggaggagttc gctgaccagg gctgcgtgca 240

catggtcgtc ttcgacccat gctatccaga agatcatcac tgacagcttc ggcacctact 300

tcctgatgtt cgccgagcgc cgtgcggtga cgatcaacgc gagcaagaac ggccagaaca 360

cgtaccacgt cgtggagatc atgtgg 386

<210> 25672

<211> 404

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F6

<400> 25672

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tgggttcattt gatgggacct gttgggggca ttctcttcc gaaggtcctc aaaaaatgtg 180

actagccata tgttttcagt ataattatga atagttatag gaagcttcgg ctttggaatg 240

gagaacttct ctcatgacag aacgaatgga aataaagggt gggcgacgaa gctagaatcc 300

aaaagacttt agctggacat gttgacgaag ctcaagtatg ataacgactg aagaaggata 360

aagaccatac agtcataata attcttggtt aaatcataga tagt 404

<210> 25673

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F7

<400> 25673

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aattccgtgg tgagaacgaa gacagagaga aagaaccgag ctgtgccatc gccggtgggc 120
tcgtcgttgt cgctgcccc a gtgccgtgcc gtgaagctcc acctgtccat ggagaagtta 180
ttatggcctc gccgcgttga accgggcgcc ggggctcggg aattcttcac cggagaccgc 240
gaaccactg tcctccgtgg ccagcctctc cgctgactcc ttctctgcgt gaggtcacga 300
gtcacctgat gagcaagttg gtacctggaa tctcaagctc caggtcaaga acatgtacca 360
gagaatgagg cgcttgagg atgcggtgat gatttcgtga 400

<210> 25674
<211> 230
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-F8

<400> 25674

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ttttttttgc agttggagta tgacaggtac taaactaatg cacaataaaa acaatgaatg 120
cctctatgaa agacgagtaa tgacactgct ttgaaatggg cctgactgac gaaaaagaaa 180
aaactgacgg tactttttta ggacactatt gaaagcacat gttctatgca 230

<210> 25675
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G1

<400> 25675

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atggacgcac aacctggtat gttgggcggg caattccgcg gtgagaacga gtacagagag 120
aaagaaccga gctgtgccat cggcgggtggg ctgcgtcgtt tcgtgcccc agtgccgtgc 180
cgtgaagctt cacctgtcca tggagaagtt attatggcct cgccgcgttg aaccggcgcc 240
cggggctcgg gaattcttca ccggagaccg cgaaccact gtctccgtg gtcagcctct 300
ccgctgactc cttctctgcg tgaggtcacg agtcacctga tgagcaagtt ggtacctgga 360

atctcaagtc ccaggtcaag aacatgtacc agagaatgaa gcgcttggag gatgcggtga 420
tgatttcgag ag 432

<210> 25676
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-G2

<400> 25676

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agtaaagtta gacttctgag tagtgctata tactccaatc ctaatccaag aagatgaatg 120
agatttgaag ttattgtttc tatatttctc agcgtagtag tagaaagtga tgaagatata 180
gtgcaaactt tgatatattc ttaaactattg tttggcacag ctagtgcata tttcaccatg 240
ctgtattact aaaggctcaga tggctcctaag tatattgtat tcttatcagc gttctgctct 300
ggaagatata caaaagatga ttcgggagtt gcagcttgat gagaaccgga aaaggggaatt 360
ggcaactgcc cttcacgttc agttcaagga ttggttatac ggtaacgc 408

<210> 25677
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E1

<400> 25677

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cagtagtaca tatggagaag ggcgggggag tgagcgcggc gaggctggcc gtggcgggcg 120
cggcggtgct gctgtgcctg ctgctgctgc tggcgggggg gccgcagggg gtctccggcg 180
ccgacgggag gaagaagacg gcatcgccct acgataagtt gatcagctgc aggggtgctgg 240
gcaactgcga caagaacaag ggcccggagg ccacccgccc cggaagccg gtcaacaagt 300
acacccgagg ctgcagcaag atcgacaagt gccgcgactg atcaatcgtc atcaatgcag 360
gcagccggag ctatatatat cgtgtcgttc tcgtaccgtg tgca 404

<210> 25678

<211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C2

 <400> 25678

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 gcatatatat attcctgcca agataaaggt aatggagtcg tcacgcaggt tccagccggc 120
 cgtcatcctg cttctcctgc tcattgtgtc caccgatatg gcacaggcaa gggaatgcga 180
 gaagtacagt gagcgatttg ttggggcatg catgatcgca gacaactgcg ccaatgtgtg 240
 ccgcggtgag ggcttcttgg ccggcaggtg cagcaccttc cgccgccgct gcactctgcac 300
 taggcagtgc taaacaagat cgctcgatcg ctgccatgc atcgacaacc tattcttaat 360
 aacgttcatt atctcgttct tatttatgac gaatgtcatg tatg 404

<210> 25679
 <211> 405
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C3

 <400> 25679

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 caaggttccc ccgggtaaga acatcacggg caaatatgga agtgattggc tagatgccaa 180
 ggcgacatgg tatggcaagc cgacaggtgc tggccccgac gacaatgggtg gcgggtgccg 240
 gtacaaggac gtgaataagg cccctttcaa cagcatgggc gcgtgtggca acgtctccat 300
 cttcaaagac ggtctatgat gtggatcctg attggagatc aagtgcgaca agccatcata 360
 gtgctctggc aagcacgtgg tgggtgtacat tacggacatg aacta 405

<210> 25680
 <211> 257
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-C4

<400> 25680

ccgacgcatt cggttcattcc aaatgattga caatagatgc atcggaatc tactgagggg 60

gcttgtagag attgctgccg cgattaacgt catgcacccg tggcccatga tcctgtgcgg 120

ccaccatgcc gtgctcccgga tcaactccttg ccacggacac tgatgggtca aattacgctc 180

agtcaccata aggatgatac cttactcctt ttactgtccc tgcattttcc tccactgttg 240

agacccggca agggcaa 257

<210> 25681

<211> 400.

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C5

<400> 25681

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ctggtgcaaa agctgctgca tgtggaactc ttctgggtct ttcctcaatg tcaaataaag 120

tttacaatga ccaaggaact ccaccagcat tcacagttcc tgcaggtgct gagattcctt 180

ctggatccat tgaggacgcc ttgaagaaaa gtggatcaat cacatcctac actaatcttg 240

tagagaggat cgaaacagct catattgaaa atgggtgaact tgatagccta tcctcgaagc 300

tacaagcaac tgtttcaact ctttctccat cggaagaaat cattgaatct ttgaagaaaa 360

catttgatca gaatgttcga ctaattgtga gatctactgc 400

<210> 25682

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C6

<400> 25682

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ggtcctgagt gcggcggcgt ctgcgggcag gcgccggggg cccaggatcc tgtgtggcca 120

cgaggcggat gtacgcgtga ctctcggca cggacacggc tggcgcagat tccgggcagt 180

cacgggaagg atgatgctgg actcctctga ctgtgcctct gctgccgtcg acgcggagac 240

ggggcagggtg cagccgcagc gccgcgcggt gggggccgtg cccctggcgc acgacggcgg 300
 ctacgccagc ggcggatggg agagagaaga tggcgaactg agttgtggat actcaagttt 360
 tagaggcaag agagctacga tggaagattt ctatgatgta 400

<210> 25683
 <211> 401
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C7

<400> 25683

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 ttcgcgcagg gtcaactgca tcaacaggaa gatcacgaag ctccagcaga ctgcggctag 120
 ggttggcccg agggggctgt tcgccgtgaa gcagaagatg gaaatgtaca agcgcgagaa 180
 ggcggagctt tacgacgtga tcaacaaagg aatgcaggag aacgagaggg gcggcaacag 240
 cggtgctggg ccttcgaata gggctgctgc cggtccttct tcccatgaag ctgctgccag 300
 cagtccttcc aacactgcca tcccttccga cggtgctgat acatcaaagg acgatgatgc 360
 cagtccttac agcgttcctt cttccaactg tgctggctct t 401

<210> 25684
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-C8

<400> 25684

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 tgatggaagg aagcgccttg gtaatggaat tagtgtacaa gggaatgtgg atccagcatt 180
 tctgttctca ccattaccag tactgactga tgaaattcgt agggttgtga aagcagctgg 240
 tacaaaaggt cacatactta acttgggcca cggtgtactt cagaaaacac ccgaagaagc 300
 tgtagcacat ttctttgatg tcacaaggag cttgagatat gacacccatt tccaaggttc 360
 tgttgctgaa ggattgcagc ctgtagcttg attcgtagt 399

<210> 25685
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D1

<400> 25685

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agcgaggcgc gagaaccgag tagccaccgg ctgatcaccg tctatcagta tccctcgggg 120
cgcgcgcgcg ctcgagacat gccaacgat cgccaggccg gcagccatgg ccaagcacgg 180
aaagcgcagc cacgacgcgc aggcgacgct accactccag gacaacgagc ggcggaagt 240
acccggccat gacggataac cgcagctgc tgagggccct cattccaag gagtacgtga 300
ccgcagtgcc tgcagctgct gctgac 326

<210> 25686
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D2

<400> 25686

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tgcaacttcg gatcggtatg atcatttatt tgaacatggt tttggtttgg tcagagttgg 120
atcatcatga aaacatggag gtgacatata agtcagacag tcaccaccaa gatttgcaac 180
gctttattcg tggatgggtc gtcgtggatg tttgcaaaca aaattccagc atatttctat 240
cttttagtat atccgaatag agtagatgga ttggatagag catggcactt gctttctgaa 300
tctgaacacc gacttttgga agtgctcttc tgctcgatca ggtgggagga gtgaagttgg 360
ttggactcca gaccaagtcg ctcgaaatta ttgatatac aatt 404

<210> 25687
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D3

<400> 25687

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aaatgacccg tgccagcagc agtagcagca gccggcgtgt gacgctggta ctgctcggtc 120
tccgcctgct gcttctgggt ggtgttgccg aggcggtagt ggagttgggt cctgctgatg 180
ataatatcgc cgccgccgct gctggcacgg cggaggacga tggcgagccg cctcagcagt 240
gcgcgacccc ggtgagcgtg gaggaggcgt gccgcggcgc gtacgagacg cacgccggcg 300
tggcctacga ccaactgcatg gcgtcgctgg gcgccgaccc gcgcagcaag gaggccggca 360
acaagaacat gcacgggctg gcggtgctgg ccaccaggat 400

<210> 25688

<211> 257

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D4

<400> 25688

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aaatgacccg tgccagcggc agtatcaacc tacagagtat gacgctggta ctactagctg 120
cttcatctgc tgataatggg tgctgtcgcg taagtgggag cgtaattgct gcctgctgct 180
gatattattg ccgtcgtcga tgctgacaca tcagctgatg atcgataacc gcctcagctg 240
tgatagacca tagtgag 257

<210> 25689

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D5

<400> 25689

acctatactg agcatacgcg gtcataact gacaggacaa ctgaatagta ccagcgggtga 60
gtcacccgtcc gcacactgac cgacatccac gagtcagcat gcgactacta gtacaggaca 120
tcctctcgat gatgctcatg ctacgggatt agcacaagac catgacgggtg gtgcatattg 180
acagtaatca gaagaacgct catacatgac cctatctgcg ccagcactac taccgacgac 240

agagatgacg ctaattgaga acacacatgt cggatacaca ccaaggctac tacagaagac 300
gtagaaagtg ctgacatact ggtatacatt cagtaattgc cagctgacga ac 352

<210> 25690
<211> 404
<212> DNA
<213> Zea mays .

<223> Clone ID: LIB3066-049-Q1-K1-D6

<400> 25690

cccacgcgtc cgcgcttcgt cgtcgattcg catggatcca taaaaggctt ggctctggca 60
tccgccgtcg ccccatcg cgttgcccta gagaggaagc aaggcacatg accaccgtct 120
ccgggtggga cgacgagtc gtcctcctca atgtgatggc cattgaggcc accctcgtct 180
atgagtccca tcgcaagagg cgagcctcca cctgctccaa cgatgacgac accagatcca 240
acaccaaata cggagataca gttgacaggg ctctctcttt ccacgctgcg aaggtgactt 300
gtgtacttag caatggtgca aatcatgccc atccacgaga tcttggcctc aacgctgatt 360
gagaagatga cgttgcaaat atttcagact ttagagagccc tcga 404

<210> 25691
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-D7

<400> 25691

cccacgcgtc cgcggacgcg tgggattgct ttctgagcta gataggctac ggaaagagca 60
tcataattta cgatctcagt ttgaatttga gaaaaatata aacgtcaagc aagttgagca 120
gatgcggaca atggaaatga acttgataac catgacaaaa caagctgaga agttacgtgt 180
tgatgtggca aatgctgaaa gacgggcaca agcagctgcg gctcaagcag cagcacatgc 240
agctggtgca caggtgacag ctctgcagcc tgggacagct caagctacca cggtttcagc 300
agcagcagcc acagactcat atgcaggtgc atataccagc tccccccctg catatcagca 360
gggagcccag gctggggcat atcagcaggg tgctc 395

<210> 25692

<211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-D8

 <400> 25692

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 aaacttagat acgctgaagc catatacttt cttgggacag attttatcaa cagagattca 120
 tggatcctgt ccataccacc tactgatgct gaaacattgc tatcagtttg aatatataga 180
 atcctcagag atcatcaaag atcatcatct accactaatt aataatgagc caaattaaat 240
 aagttttgcg tatatatattt atccctatct ataaattatg catgtgttgt aaacaagtcg 300
 tggatgggct tcatttgttc tcgcgattga aaaataacaa ataaacaaaag tagaaaagag 360
 gatgaaccag aagtcttggt cagcaagaag gaaggaggaa tg 402

<210> 25693
 <211> 401
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-B7

 <400> 25693

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 tcgtctaagg tccgcagcgc cggcgccttt gtgttctcga acccaccgcg cttcccatcc 120
 ctgcgttctg agcgccgcgt cgcccttcgc cgggcggcgg cgggcgggtga ccccgaggac 180
 gagtgggtgc cggagcctga cgggtgggtcc gctgtcactg ggaccgcggt ggctgaggcg 240
 ccggaggcgg gagaggctgc agagctcaag gcgcagctaa aggatgcgct gtacggcaca 300
 gagcggggcc tgcgggcgct cagcgagtcg cgggccaagg tggttgagct catcacgcag 360
 ctcgagacgc gcaacccac gccgggcgcct accgaagcgc t 401

<210> 25694
 <211> 81
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-H5

<400> 25694

cccacgcgtc cggatcgtaa caatgcaagg ttgtgttgta tataactctt gtgtttggaa 60
tgccgcccgt aattaatggc c 81

<210> 25695

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H6

<400> 25695

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gggttttttg ttttttgtgt tttttttaaa taccatcaga agcgccaaca aaatacttgc 120
atttcaagca tttgaggcac atacgtaagt attgcagaga ccaagttctt actctgatct 180
tagttttttt gcaagtgcgc aatccctcac catacaggca ggaaactggg aacgagatgc 240
aactttctca taaaaattgg gttgcgatac agaatgcatg acaacacaca ttatctttga 300
cagcaaaactg tagcatccac cagttgggtca gatcagattt gtgactgacg gagatcactc 360
gggcggaaac aaccacaccg ggaaac 386

<210> 25696

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H7

<400> 25696

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gttcttcaac caagaggaag aaaggaagga agggaccgga agcatcagcc atgtcgaact 120
cggcgctcggg aatggccgctc tgtgatgaat gcaagctcaa gttccaggag ctcaaggcga 180
agaggagctt ccgcttcctc gtgttcaaga tcaacgagaa cgtgcagcag gtgggtgggtgg 240
acaggctagg ggagccaggc gagagctacg acgccttcac ggcttgcctc cccgccaacg 300
agtgccgcta cgccgtgttc gattttgact tcgtcactga cgagaactgc cagaagagca 360
agatcttctt tatctctggg gccccggata catcgagggt gagaagcaag atgctgtacg 420

<210> 25697
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-H8

 <400> 25697

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 tacgggcttt gaggatgatt cgtcaaagaa gaccaactga ttcgaccttt ctttaaagat 120
 ttcgaaagac caactgattc gacctttatt tgaagatttc gatgagagcc gcaggttgtc 180
 tagttcattt tttctccttt taacctctgt gctgtgcacg tatcttcgcy ggcttgcacc 240
 agattgcagt ctggtacatc tcctttggcg ctttcaattg agtccagaat ttcacatgat 300
 ctctgtatc cttctccatt acagtccgct cttgccttat ccatgtacat gctgctacca 360
 gacttgggtgt aaataggact atgtgatgaa cacgttcana aaaaaaaaaa agggccggac 420
 gtt 423

<210> 25698
 <211> 450
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-H9

 <400> 25698

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 cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc gccgtcctcg 180
 tcgtcatcgc cgtctcggtc accgcagtgc tggcctccac cgaggccgcc gacgctggcg 240
 ccccaactgt ctccgagtcg taccgcgagg ctcccgatgg cgctggcgct ggcgctgccg 300
 atggagccgt cgcctcagag ccatccggca gcagcggagc gccaccctt atcgccgtgc 360
 ccgacgagct ctttttctca ctgctggcct actaccttca ctaagcgtgt gcgtgcgtac 420
 gttctcgcgc atggacgacc attgatacgt 450

<210> 25699
 <211> 275
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-A1

 <400> 25699

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 gggcatcagc gagctggagg gcgtcgtgtt cgaggtcgtc atcaccttcg tgctcgtcta 120
 caccgagtac gccaccgacg ccgacccta gaagggctcg ctcggcacca tcgcgcacat 180
 cgccatcggc ttcacgtcgc gcgccaacat actagccgcg gggcccttca gcggccgctg 240
 catgaacccc gcccgcttct tctggcccgg cgtca 275

<210> 25700
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-A2

 <400> 25700

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 atcctcctgc ctcagctgct tcctagctgg gggtgctctc taccgtttcg agtacgcagt 120
 caaccggcgc ctcttcctcg ccaaagcgcg aggagggacg tgcacgctcg ctccctctga 180
 ccctgacgac acggtggctc gccgcgccag atacctgctg agcaacggtt tcaggtgcta 240
 caacctgttc aagagcaact gcgaggactt cgcatatac tgcaagactg gccttcttgt 300
 cgctgagcag ggcgttgctg ggcagagcgg gcaggctatc tccatcatcg gtggacctct 360
 cgccgcgggtg gtctcgaccc cattccgctt ggctaccacg aa 402

<210> 25701
 <211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-A3

 <400> 25701

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accatggctg tcggaagaa caagaggatc tccaaggaa agaaggggtg caagaaaaag 120
accgtcgacc ctttctctaa gaaggattgg tatgacatca aggcaccgtc ggtgttcagt 180
gtgcgcaaca tcgggaagac tctcgtatcc aggacacagg gtaccaggat tgcttctgag 240
ggtctgaagc acagagtctt tgaggtttgc ctagctgac ttcagggcga cgaggatcaa 300
gcttacagga aaatcaggct ccgtgctgaa gatgtgcagg gcaagaatgt gctcaciaaac 360
ttttggggca tgaattttac cactgataaa ctcagatccc tagtgaag 408

<210> 25702
<211> 257
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A4

<400> 25702

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ggccttcatg gtgaactgga tgctagattt tcgagctcta tgctggctct agtacttaat 120
caagacgatg ctcttcgtcg caaaagcgcg acgagactac gtgcacggtc aatgcctctg 180
accctcagta ctcggtatac tgtcacgtct gatacctgct gaacaactgt tgcggtctgct 240
gcaagctgac cgagagc 257

<210> 25703
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A5

<400> 25703

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tggttgtggc gttggtgttc ttggtgagcg gcgcattggt cggtcctccc aaagtcccc 120
caggcaagaa catcacggcc acctatggca aggactggct ggacgctaaa gcgacatggt 180
atggcaagcc gacaggtgcc ggtcccgacg atcacggtgg cagctgcggt tacaaggacg 240
tgaacaagcc cctcttcaat agcatgggcg catgcggtaa catccccatc ttcaaggatg 300

gtctgggttg tgggtcctgc ttcgagatca agtgcgataa gcctgtggag tgctccggca 360
agcccgtggt ggtgcacatc acggacatga actatgagcc ta 402

<210> 25704
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A6

<400> 25704

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cttggtcaa ttactctgca aagagcgtag agggacgtct tctactcgctt gctatgacca 180
tgtccacacc gtgagttgcc gatccagata ctatgctgaa caacatgctc atgtgctaca 240
atcatgtcga gatcatctgc taggactacg acatatactg taatacttgt ctttatggcg 300
ctgatcaagt ctttgttctg ca 322

<210> 25705
<211> 361
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-A7

<400> 25705

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cccggacatg acagagataa agcaatgatt cgctccggct agcatcgcat ctgatcgatc 180
actctcaatc ccctgcagct cccagccacg gcaccacggg cgtcgatctc tcccagagcat 240
cagcgccgac gcgggcctgg gggcagcgta gatctccac cctgctgaca ccattgacgc 300
ctagccggcc gacccattca ggatcggaca cgtacaagaa cgaccagaag gcgcgcacct 360
c 361

<210> 25706
<211> 403

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-A8

 <400> 25706

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 gggcccccga aggtgccgcc cggteccaac atcaccacca actacaacgg caagtggctc 180
 accgccaggg ccacctggta cggtcagccc aacggtgccg gcgctcctga caacggcggt 240
 gcgtgcggga tcaagaacgt gaacctgcc aacctacagc gcatgacggc gtgtggcaac 300
 gtcccatct tcaaggacgg caagggttgc ggctcatgct atgaggtgag atgcaaggaa 360
 aaacctgagt gtcggggcaa tccagtcacg gtgtacatca ctg 403

<210> 25707
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-B2

 <400> 25707

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 ctccggaggg caagtgcctt gtctgccgag cggttggtgt gtttgatcgt gctgtgcgta 180
 tgactgaact agaattgctc ctcaagagaa gggacaaaga ttactttctg cagagactgc 240
 gcgaagagcg aagtgtgatg gtgaagcagg ccaaagaata ctgggactca caggcaatgc 300
 tatcgatggg gatttgaaag ctacaatgtt cttaccaggt caattgttgt ggctaattac 360
 atctgaaggt tctctggcta attacatatt ttagttcctg gc 402

<210> 25708
 <211> 277
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-049-Q1-K1-B3

 <400> 25708

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 tcatgaggaa atgctggaca accttggtc tttacttgaa cccaactgta cacataaccc 120
 acacgtccaa gctactgaag atatcacctt cctggagacc attgatactg ctgaaccctt 180
 cgcaaggatt tcacctagtg actacgctta taagcatggt gaactacacc tatgacagga 240
 gtttgcaata accccgttgg cgatgaacta ccagggc 277

<210> 25709
 <211> 302
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B4

<400> 25709

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 ggattaccaa atcatgtggt acctctggtt tctacatggt gcagactgta aactgattcc 120
 cttaagacgt gacactgcac atattgccta gcgtgcgacc agtgataccg ggctatccgt 180
 atcactgatc tacactgctt gctcaacata taggacacgg attgctttcc tatgacactg 240
 ctctaggagc gaaatgtcat ggataagcag gccatacaat actgagactt acagtcaatg 300
 ct 302

<210> 25710
 <211> 240
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B6

<400> 25710

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 tatcatctcc tgttggaggt gaatctcgtg atcgtgata gtgtatctat agagtaatct 120
 tgtctagcta atgcgcctct cagccaaaat tgtgctatct atcatgtcta tgtgcgtata 180
 actgtctatg tatcatgcct cgataacatg gacagagagt cctctcctga cagactggac 240

<210> 25711
 <211> 266

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-H4

 <400> 25711

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 ggagggcatc ccccaaaacc aggacgggct cattttcgt gccaaacagc ttgaggacgg 120
 ttgcacgctt gctgactaca acatccagaa cgagagcaca ctccaccttg tgctccgtct 180
 cacgggaggg atgcagatat ctgtgaaaac cctgaccggc aagactatca ccctagtggg 240
 gtagtcctct gacaccattg acaacg 266

<210> 25712
 <211> 377
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-G12

 <400> 25712

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 tccctctcgt catggccttc ctctcctgcc tcgctgggt ctacgtctcc ggccgtttgt 180
 ggcaggacgc gcagaccgg gcgatcctgt ccggcctact cgagaagagc tctaccagcg 240
 tcccgaaggt gctctcggtg gaggacangc ttaggaacct agggtgcaag gcgattggaa 300
 ggaaaattgc tgaggcggag atggacctga ccaatgcaa gagcgagggtg tacctgtggg 360
 ggacaggact gcagctg 377

<210> 25713
 <211> 434
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-G2

 <400> 25713

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cgccggcgag attattcgca agggattcta ccagaccaag aacgtcgagc acaagggcca 120
 ggtggatttg gtgacggaga cggacaaggc ctgcgaggac ctcattctca accacctccg 180
 gaagcacttc ccggaccaca agttcatcgg ggaggaggag tccgcggcgc tcggggccac 240
 cgctgacctc accgacgacc ccacctggat cgtcgatccc ctcgacggga ccactaattt 300
 cgcccatggt ttcccatttg tatgtgtctc cgttggcctc accattggga aaattcccac 360
 tgtcggagtc gtcttcaacc tcattcatgaa cgagcttttc acggcgggtc gtggaaaaag 420
 ggctttcctg aatg 434

<210> 25714
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G3

<400> 25714

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 tgcaaacaaa cttcacagga tggataatga cattgttttag ttgaaaatat ggtcccgcgc 180
 gcagcataca tacagagaag aatatgagtt ttgttttatt cttatcttct ttacgatttt 240
 gctccctgtc tgtcacaatc aaaccaattg tcagtcagta tgcatagtcg tacgctatag 300
 ttctgtatct tcagcttatg tatgaagaat ataatatcaa ttggatttgg tatataaatc 360
 aaaggaccgg ccattatttc aacaagggtg gtcctatacc 400

<210> 25715
 <211> 344
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G4

<400> 25715

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 atgggtcaca cgaacagcgt ctgcgatacc atcatgatga caatgtaagc gaccgagaag 120
 ggcttacact ccgtccttac cgatctcgcc aaggacactg acgacttcca taacgacttc 180

atcttgacaga cctcgacact ggactacatt aacctgtatg acgactttca agaagttatc 240
gtccatatat acgcgggtcca tgtcagtaac gctcacccca tctgtaacta ccattgctgtg 300
caccgcagat gtgatactat ctatcgagaa cgcagctgac gaag 344

<210> 25716

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G6

<400> 25716

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gcgcagtggt tctcccttga gctccggcgg ttgatgcccc agctcctcga accgaaccca 120
aacaacagga tcacgatcga gaagctggtc gagcaccctt ggttcaagaa ggggtacagg 180
ccggccgtca tgctggcaca gccgcacggc tccagcagcc tcaaggatgt ccaggtcgcc 240
ttcagcaacg ccgaccacaa ggacagcacc accaagggtg aacagccggc ggacagctcc 300
ttgaagccgg cgagcctgaa cgcgttcgac atcatctccc actccagagg gtctgacctg 360
tcaagcctgt tcgaggtgga ccaagagcag aaggccagca actcgcggtt catgaccag 420
aaaccggcgt cggcgatagt gtcaaagct 449

<210> 25717

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G7

<400> 25717

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gcgtcgcgga ggtggcgcg atggggctcg ccggggacgg gtcggcggac accgcccacc 120
tcagtaataa tgaaaatggg cggttcattt atggagttgc gagttctcct ggtaaaagag 180
catcgatgga ggacttctat gaggcaagaa tagacgacgt tgatggagag aaaattggaa 240
tgttcgggtg atatgatggt catggaggag tccgagcagc tgagtatgtt aagcagcacc 300
ttttcagcaa tgtaatcaaa caccctaaagt tcatcactga taccaaggct gctatcgccg 360

<210> 25718
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-G8

 <400> 25718

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 gatccactgg cactacggca gccgggtccca cgcccccgag ctcaccgcgg gctactacaa 120
 cacgcggcgc caccgacgggt acctcaccat cgcgcgcctc ctggcgcgcc acggcgccgt 180
 gctcaacttc acctgcgtgg agatgcggga ccacgagcag ccgcaggagg cgcggtgcat 240
 gccggaggcg ctgggtccggc aggtggggcg cgcggcgcgcc gccgtcgggg tgggcctcgc 300
 gggcgagaac gcgctgccgc ggtacgacgg caccggcgac gaccagggtg tcaccacggc 360
 cgccgagcgc gccgacgagg accggatggt ggccttcacg tacctgcgca tgggtgccga 420
 cctcttccac tcggacaact ggcggcgctt c 451

<210> 25719
 <211> 366
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-G9

 <400> 25719

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 ggcatagaca acgcgggtcat ccacgtgcct gaacaagggc accgccgact tcacgaacct 120
 gacggacgcg accgaggctc tgcaagactg cgcgatgcac ctgcatgaca gcctcaagct 180
 ggacttacta ctgcccatct gcatggcctt ctactgaag tcttaacgcg cttgtaccac 240
 aactgccagc gctacaccag acaactacta ctgctctgcc aggcgggtgtc cgactccgcc 300
 gagaaaatgc gtaggctgcc ttacactgcc atgaacagca ctgctgcagt caacaataac 360
 tcccac 366

<210> 25720
 <211> 332
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H1

<400> 25720

ctttgcgcca tggatgccaa cgaggaaacc ccgttgtgtg ccctgccctt cttgggcctc 60

ttattggcct cttcaacgcc ggcggggtca cctgccaaaga acaaaacctc ttgaaaggcc 120

aacaacaaca acctaattctg ctggcccgag aactgcgtgg caacctgccg gaatcaacgg 180

ccacgcggac ggccgctgca gctgggcatg gtcgtggagg ccgtattgcc agtgcttgct 240

ggcggactgc caatagacgc gaaaggctgc gttgctttgg cgtctggctt gctcgccgtc 300

gccggcagac gaaggataaa cgtacggttt gc 332

<210> 25721

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H10

<400> 25721

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gcggtctctg cccagcccg gctgcctgcg agggcttctg atggccctcg acgccgtcct 120

ttactactag tgcccagctt tattgcagat ccagccctct gatectcgtc ttctttcacc 180

tctccaacat gaaggtcaac accaagatca agctggagcc ggtcatggcg ccgtcgtcgt 240

ccctgccgcg gagegccagc gagctacccg acccgtcgtc accgttcagc tccaacacgg 300

tgcaccaccc cgtctacgtg cccaccacac ctaggttgtg cttatcgtgc tcgtcgttcg 360

gccacatggt gaccccgccc accgacacac cgccgatcac gctcaccaag aagcaggacg 420

acaagccg 428

<210> 25722

<211> 97

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H11

<400> 25722

gtgactatga ttctctgtct gtcacgtact gttcgaatga gattatcgct ggcattgacc 60
tgtatatatg acaagtgcaa gcgaacgccg aacgtat 97

<210> 25723
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-H12

<400> 25723

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ggaggaggag cgtcggctgg aggaggccag gcacgccgag gagactgctc tggcactggc 120
cgagatggag aaggccaagt gccgcgcggc catggaggca gccgaggcgg cgcagaggct 180
ggccgacctg gaggcgcagc ggcgccgcaa cgccgaggtg cgcgcgcgcc gggaggccga 240
cgagaagggtg cgcgcgctgg atgccatctn caaccacgac ttccgggtacc gcaagtacca 300
catcgacgag atcgagatgg ncacggagcg cttctccgac gagctcaaga atcgcgaggg 360
cggctacggc cccgtctacc ggcctccct ggaccacaen cccgtcgcca tcaagggtgt 420
ccggccccgac gcgcaccagg ggaggaaagc agtccagc 458

<210> 25724
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-H2

<400> 25724

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gctatgaccc gatttctgag caagctgtgg aacttattca ccaaaatgag gtaatcctaa 120
ctctagggtc ttctagaacc gtcaaggagt tcctgtatgc cgcgaaagaa aagaaacgat 180
cttttcgtgt atttgttgct gaagggtgtc caagatatca gggccatgtt ctgcgaaaag 240
agctgggttg gaaagggtga caaactacag ttataacaga ttcagcagtt tttgctatga 300
tatctcgagt taacatgggtc atcgttggag cgcagctat catggcaa at ggtggagtca 360
ttgcaccagt agggatgaac atggttgac ttgctgtca aggcagctg tgccttttgg 420

tgtggttgct tgtagtcaca agct

444

<210> 25725

<211> 371

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-H3

<400> 25725

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ggccttttcc gacattcaca ggggggacag gaaatcagcg gccatggcct cgattccggc 120

gacgaccttc gccgtcatct tatecgteet cttctgtgcc gcggctggca ccgccgtcga 180

caacgacctc cccgactacg tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg 240

gttcgtgacc aatgtcaccg agtacatcgc gggcgccaag gtgaggctgg agtgcaagca 300

cttcggcacc ggcaagctcg agcgtccat cgacgggggtg accgacgcga acggcacgta 360

cccgatcgag c 371

<210> 25726

<211> 294

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G1

<400> 25726

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ggcgggagcg gccgcgtgc tgctggtcgc atcggtggtc gcctgccgcg cgcggaggcg 120

gtggcggtgg ccgtaggggc gccgtcggtg ccggcggatc cgctggacat cgcgcagctg 180

ggcgccaagg gcgacggcaa gtcggacagc accacgatga tcctcaaggc gtggaagaac 240

gcgtgcgatg cgacggagcg acagaagatc gtcattgcga cgggcaacta cctg 294

<210> 25727

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<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E3

<400> 25727

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cggcgcttcct cctattacac atatagggcc ctccctgcgt gtatgcttgt taccgtcgtg 120
tcgaaccttg tactacgagg ctccatcgaa catcgatggc ttgcttcttt atcagaacat 180
gtttgaataa acgctatattg gt 202

<210> 25728

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E5

<400> 25728

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gagatgacga cgcagggcgg caacaggctg acgacgacgc tggtcgccgc cgtggccgta 120
gttctggccg tggcgggcgg gtcgtccctg gccggcgtgg cgtccgcgga gaaggcgggc 180
gggttcgtgg tgacggggcg cgtgtactgc gaccctgcc gcgccgggtt cgagacgaac 240
gtgtccagga gcgtggccgg cgcgacggtg gaggtggtgt gccggcactt cggcgcgtcc 300
aaggagacgc tcaaggcgga ggcgacgacg gacgacagcg ggtggtacaa gctggagatc 360
gaccaggacc accaggagga gatctgcgag gtggtgctgg cccggagccc cgacccgggg 420
tgcgcggaga tcgaggagtt ccgcgaccgc 450

<210> 25729

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E6

<400> 25729

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caggggtgac ggccgtggcc acggcggcgc cggccagggg aagctgtgcy ccaggggcca 120
ctggcgcccc gccgaggacg ccaagctcaa ggagctcgtc gcgcagttcg ggccccagaa 180

ctggaacctc atcgccgaga ggctggacgg cagatcaggg aagagctgcc gcctgcggtg 240
gttcaaccag ctggacccgc ggatcaaccg gcgcgccttc tcggaggagg aggaggagcg 300
gctcctggcg gcgcaccgcg cgtacggcaa caagtgggct ctcacgcgc gcctcttccc 360
gggccgcacc gacaacgccg tcaagaacca ctggcacgtt ctcacggcg gcaggcagcg 420
ggagcactcg ggcgcgct 438

<210> 25730
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E7

<400> 25730

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gtgtggggtc ctcacggccg agagatggtc cgagagaggt ccgaccgggc aatagatcag 120
atggcgcatg acgaagaggt tgaggacctt ggcgatctag acggcacgct gcccgacagc 180
atgtgccccg aggcctcggg ggtggagttg gcgcgcgct ccgatgcggg caagggcccc 240
ttagcgaccc ccgcaccgac tggagctagc gaggaccccc cgccagcccc tgcgccgacg 300
ggtgaggacg cctcataggc ggtgggcgaa ccagctgccg aagacccgc ggcgacggct 360
cgggccttcg caggttccga cgtttgggce tgcccaagca accgctggtg acaataactga 420
ttttgt 426

<210> 25731
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-E9

<400> 25731

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tcaccactgc agagcgcgcg aagccaacga gcgtaccggt gacggatatca agtatcgcca 180
gacctgattc attctgcaag acttcgtcac cgactacaac tactgaaata tgatacaacg 240

cataacggta cgtactgcag atggacaatg gatgttatct aattactcac ttattcgttc 300
 aacggcgnc ttagctatgc cgatgatata tggatgtgat gcgaacgtga acctaccgat 360
 atgagcggct ggattacata tgc 383

<210> 25732
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F1

<400> 25732

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 gattgcccc gaaggaccgg gccggcgccg gcaaaggcaa aggcaaaggc aaaatgttcg 120
 gcccccgcc gaaaaaaagc gacaccacca agtactatga gatcctcggg gtgccaagt 180
 cggcgctcca agacgacctc aggaaggcct accgcaaggc cgctatcaag aaccaccccg 240
 acaaggcgcg tgaccccgag aagttcaagg agctcgaca agcctatgag gttttgagtg 300
 atccagagaa acgtgagatt tatgatcagt atgggtga 337

<210> 25733
 <211> 455
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F10

<400> 25733

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 tcgtcgccgc ggccctccctc gccgtcgccg tctcggatgg cggcgggatg gcggcgccctg 180
 tgtacgggta cgcggcgggg agccccaacg ggccggagaa ctgggggaag ctgagccccg 240
 cgtacaagct gtgcggtgag gggaagcagc agtccccgat cgacatcgct accaagcatg 300
 ccgttcgctg cgcagcctc gacaccctca atcgcaccta cggcgccacc aacgccacgc 360
 tcatcaacga tggccacgac atcacactgg cgctggaggg caaggttggg acggtgacgg 420
 tgaacggcaa ggcgtacagc ttcgagaagc tgcac 455

<210> 25734
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F11

<400> 25734

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tcgtcgccgc tgccctccctc gccgtcgcgc tctcagatag cctcggcatg gacgcgattg 180
agtacagcta ctcgctcgac acccccaacg taccggagaa ctcaatgaag ctgagccccg 240
cgtacaagct gaacgtagag gtgaagcagc agccctcgat cgacatcatc accaagcact 300
ccatcacctg cgccagccta gacacctca atcgaccta cgacgccacc aacaccaccc 360
tcatcgacga ttgccacgac atcacgctgg cgctggaggg caaggtctgg acccagacgc 420
tgaacggcaa ggcgtacagc ttc 443

<210> 25735
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F12

<400> 25735

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gcaagagcca gagctgggag acgttccggt gaagagaccc gttgggaggc ccaggaaggc 120
taggaacgga cctagctcag atgacctggg caccctgct tcgtatgctt gagctccggt 180
tggcttgat tccggcgctt tttccagttt cctgtgactt ctgtacagtg caagccatct 240
taacgccgcc aagggttaact tatcgaaaca tttggagaac ctggaagcaa acggcggaagt 300
ttttccgtgt gcgttaatgt ttcacagaag gggagtccga ggaaaaaaaaa gttgccacta 360
cgcagcttat ggactggttt tttttgtagg atgtattgac atcattgtac caaattaggt 420
tcatataatc ctggttgata gatattt 446

<210> 25736
 <211> 402
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-F2

 <400> 25736

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 cagtccagag tattcgggtga cccaccatcc cagcgttctg ctgaggacat tgcatttgcc 180
 gtggcgcgct tcttctccgt gggcggtact atgacaaaact actacatgta ccatgggtgga 240
 acaaactttg gaaggacatc tgctgccttt gtgatgccaa aatactacga cgaggcacct 300
 ctcgatgaat tcgggtctgta caaggagcct aagtggggcc atctgaggga cctgcacctg 360
 gcgctgaagc tgtgcaagaa agccctgctc ttggggaaga ca 402

<210> 25737
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-048-Q1-K1-F3

 <400> 25737

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 gcggcgccgg ccgcgcgaa cgcgcccggc gggcggttca gcaactgggt ggcgatgaac 180
 cagcagagct acgcgctgta cgcgcagaag tccgtcgggg acggaggcaa ggagcccctg 240
 gacaagaagc tgtcggaggc ggataagatg aatgtcacgt acgtgggtgga ccccgagcggc 300
 aaggcgact acgccaacat naccgcagcg ctggaggata 340

<210> 25738
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-F4

<400> 25738

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gaaagtaacc ctaaaatcgg attcacagcc aatggtataa aatgaaactg tctcagatcc 120
tatatctagg gtcagagaac ctgagaccga aattttctcaa gatgggagga tacccaagat 180
tgccatggac agtgccgatt cagacctgaa taacagaaat gatgaagcaa gtgaacagct 240
tgtagcagat cttaaagctc agaaagagga actagaagca acaattaaca gggaacagct 300
gcaaactgtg caacttatag aagacattgc tcaagcagag accagaaatg cagagctgac 360

<210> 25739

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F5

<400> 25739

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gtccttcggc ggcacgatct tcgccctcgt ctactgcacc gacggcatct ccggcgggca 120
catcaaccgc gcggtgacct tcgggctgtt cctggcgagg aagttgtccc tcaccagggc 180
ggagttttac atcatcatgc agtgccctgg cgccatctgc agcgcgggcg tcgtcaaggg 240
gttcacagcag gggctgtaca tgggtcaacgc cggcgccacc aacgtcgta cgcacggcta 300
cacc 304

<210> 25740

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F6

<400> 25740

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gaacaaatta gcaagggatt tccacaatta tccagctttg ggtggacttg tccagaccct 120
tatgggctat gtcgttggcg gtgacagttc aaattgggta ggagtgtcgc gtttgcccca 180
ctacaacatg gatgacatgc ctggtgtgtc atttcatgtt gcgcttcacc ttgtccagat 240

aaagatggca aagaagttcc aaatgtatga ctacagtagc tctgcagcaa atattgaagc 300
 gtacggaaca ccggaaccat tggacttggg agctcattat ggtctcatcg acatttctga 360
 cgacttagtc gctgggcaca acttcagtat tatctta 397

<210> 25741

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F8

<400> 25741

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 gatgttccag gagcagctag catgtctgat cagttttctg agctttcttt ggagaatgat 120
 gcttgcataa tatgccagga ggagtataaa gctaaagaac ttataggaac ccttgaatgc 180
 ggtcacaagt accatgtgaa ctgcatacag caatggttga tgatgaaaaa cctgtgcccc 240
 atatgcaaga cgacagcttt gtcatacagat agaaggaacg gatgaccgtc gccataaatg 300
 ttgctggctg tttaccgctg ggcatattac cgtggatttt gtatatagac atggttgcct 360
 ctatttgccc gtcccctttg ctgtggacat aaactgagct tcgaaacact gtacagatat 420
 tctgtaggat gcttttagac 439

<210> 25742

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-F9

<400> 25742

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 cgcgtcagca tgacatcatc cacatccgat caccatatgc aatcttcccc ctctattgct 120
 tgccaatacg tgtagaacca gacgatttct cactcgtacc gtctgatcga tgacttaatc 180
 tactgtaacg acgacttcgc acaacatgta gatccgtggc tgtctaaatg cgtctgaggc 240
 ctctctacta ctagtgttgt tgctaattgc aaactcatcc agtgctcttg gttctacgct 300
 tgaacttgcg tagtggtccg atcgacaggc acgtcctcga tctaactaca 350

<210> 25743
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-E2

<400> 25743

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cgcgccaggc catgcagtcg ccgacgccgc cgacaaaggt gggaccaccg tcgctgccac 120
cgccgcccgt gccggccgtg gacgcggccg tcatcatggg cgtgctcacg gccgtgctgc 180
tggcgctctt cctcttcctc atctacgcca agcactgcaa gcagcgccgg cccggcgagc 240
ggccccggcg cctgagactc ggcttcgcgc cctcctcgtg cgaccgctgc cgctcggggc 300
tcagcagctc cgcggtgggc gcgcttcggc cggtccggtt cggcgacggt gacgtcgacg 360
tgggcccagc caccgagtgc gcggtgtgcc tgggcccctt cgacgccgnc gagctgctcc 420
gcgtcctgcc cgctgtgcgc cagcct 447

<210> 25744
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D1

<400> 25744

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ggcggcagac atacgtggat gagcacctga tgtgagat cgagggccac cacctgacct 120
ccgctgccat agtcggccac gacggcgccg tttggggcca gagcaccgca ttcccacagt 180
tcaagacaga ggagatgacc aacatcatga aggacttcga cgagcccggg ttccttgccc 240
cgaccggcct cttactcggc cccaccaagt acatggtcat ccaaggcgag cccggcgctg 300
tcatccgcgg gaagaaggga tctggaggca taactgtgaa gaagacacgg catgcgatgg 360
tggtcggcat ctacgacgag cccatgacct acggccagtg caacatggtg gtcgag 416

<210> 25745
<211> 458

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D10

 <400> 25745

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 ggggtgccagg tggtcgagcc tgcacttaat ccaaaggagg aagttctgaa cggggagggtt 120
 tgtaactcgc taagtgatgt ggagaagcct gttgctgagg aaacgccgga tcctgatgtc 180
 ataaatgaac tgccaaataa tgttgacgtg gctccaccaa tttcatcccc tcctgtacca 240
 ttgaaggagg caccaaagaa gtcatatgct tcaattgtaa aagtcatgaa agaacatcgg 300
 ccattagcac ctgcagttcc ttccagacct gcacccccaa taacagagaa gcaagcctct 360
 cctgccctca ctccagttac tgaggctcca gctttctcct ctaatcctca gagcggctgc 420
 tttcaagatc cagacgttga tgcacatgcc atatatgt 458

<210> 25746
 <211> 446
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-D11

 <400> 25746

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 ggtgccggag gccccggact tggtcagccg agcaaccgag gctttctggg agccgcagtg 120
 cccgacgtac tcggaagagc cgagctccag cccgtcagaa gcaaacgaga ccggcgaggc 180
 cgcagcagac gacggcacgt ttgcgttcga ggaactcgac cacaataatg gcatggacat 240
 agaggcgatg accgccgccg ggggacacgg gcaggaggag gagctaagag aagccgaggc 300
 cctgccagac gatgcaagcc tggagcacat caccaacgag atcgaggagt tctacagcct 360
 ctgcgaggaa ttggacctgc aggcgtacc gctaccacta gaggacggct ggaccgtgga 420
 cgctccaat ttcgaggtcc cctgtt 446

<210> 25747
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D12

<400> 25747

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ggggcggggc cggggagggtc tcgctcaccg ccgtgctgca gcaggcggag gccacgctcg 120
gcgtcgacct ctcccacaag gcgggcttta tccgcgacca gatggacctc ttcttcggcc 180
cgcgctcca gccgcagccg ctgaccacgc cacagctggc gcctcccccg cctcaggccg 240
tcgttgcccc cgcggaacgc gtgcctcagc ctcagcctca gcatcagggt ctgccgcagg 300
caccgccttc ggctcagcag atgcagccgc agcagctcgc gccgcttcag ccgcagctca 360
tgttccagac cattcaccag ctccccgcca tctctcccggt ccctgtgggtc tccgcgccgc 420
cggccatggc gttctac 437

<210> 25748

<211> 320

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-D2

<400> 25748

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aaggggcnag gctggccttg gcagcggcgg tggttctgtg cctgctgatg gcgaccgggc 120
cgcaggagggc cgccggcgcc gaggggatgc tgctgatga taagttgctc agctgcaagg 180
tgctgggcaa ctgcgacaag aacagggggc ccggggccac ccgcccgggg aagcccgtaa 240
acaagtacac ccgcgggtgc aagcccgtg acccggtgcc gcagcggctg atcatatctn 300
cggtgggtct ggtcgatgtg 320

<210> 25749

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D4

<400> 25749

accgtcacgc cgtccgcaa gccttcgcc aacccttctg ccaatccttc cggaanaagg 60
 tggttgctgt ttttaaccgaa caatcagtag atccatctga agggtcctaa aggaattgct 120
 tccgaagaag atccggataa gcctggcaca ctctctgac cgtttcaagc caatttaggc 180
 attataggta aatcaatgga tggagactca ttgcattcat ttgatctctc tagtgaggca 240
 catgaagacg aggcattgtg cacctcatgg tggcgacaag tagttttgga tgggttagag 300
 ggtaaggata aaatccctct aaaagatta 329

<210> 25750
 <211> 271
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D5

<400> 25750
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 gttaaatacg aactgcatca actacatcct catatacttc ctctcacgct acctaccgtc 120
 tcattttcta cctagacaac cttcttccat ctcatataac ctcatatcca aagctaataa 180
 tacatcatat aaccaacatg attaacgacc ttcaccaacc ccatcacctt tcaactcacc 240
 aacctttact ccaacataac ccatacatat c 271

<210> 25751
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D6

<400> 25751
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 agcggacaag tcttacgggc gggacatcgt ggacgcgcac tacaaggcct gcctctacgc 180
 cggcatcgac atcagtggca tcaacgggga ggtcatgccg gggcagtggg agttccaggt 240
 cggccctgcc gtcggcgctc cggccggcga ccagctctgg gtggctcgct acattcttga 300
 gaggatcacc gagatcgccg gcgtggttgt ctcttcgac cccaagccaa ttccggggga 360

ctggaatggc gctggtgcac acaccaacta cagcaccaag tcgatgagga gtgacggc 418

<210> 25752
<211> 450
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-D7

<400> 25752

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gggccgtgct ctctccggta tcccaccatg gatatgccaa atgacacttg cccttcacca 120
aaactccaca caagactgag gctgtgggaa tttgcggact gttatgtttt tgaaccagtt 180
ggtcttaatg atcttttact gtcagtcaac cggatcaatg gatcaatgaa tctagtggag 240
gaattgccac agcatggccc ctctataaat ccaaaagttc aaatagtgtt tgggtgtaata 300
ggagtgctaa aacttgcagt tgggacatat attctggtga tcaactgaccg tgattgtgct 360
ggatcctact tgggacatgc agttntcaaa gtgagaggtc tgagagctct gccgtgtaat 420
aattcccttt ctgcttctgc tgaacagaaa 450

<210> 25753
<211> 329
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-D8

<400> 25753

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gggccccgaca agaacgacgg ctctgtggac aagcgcggca actcctccta caccgagccc 120
tgcacctaca tcaactccct cgccatcggc cgcctcgccg cgctcgccgt ccgaggcgtg 180
cagctcgctg ccacgcagtg atctatcccc atggccatgc gtgtgtgtcc cgctgtttcg 240
tttcttccct gacatgacat gatttctact ccgttactga tgattcattg attccggccg 300
nccccgcatt ggtcattata ttaggtcga 329

<210> 25754

<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-D9

<400> 25754

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ggcgtacgac cccttggtt gccactccac tgaagcaggg cgagagggag agagaggaag 120
gaggaggaga agccatggcg aacgacggcg acgggaaggg ccgcgtctcg acggcgccag 180
gggcagggta cgggtacgcg gcgtacggag gctaccaggg ggcggaggag cggaagtgg 240
ggccgcggct cgtgccacc gtcacgctcg tctgcatcgc cgtgttcgct gtcgagatgt 300
acgataacaa ctgccccaa gacgggagcc cgtcggcgcg ctgcgctgcc ggcttcctcc 360
gccgcttctc cttccagccg ctccgcgaga acccgctgct cggcccgctc tcctccactt 420
tggagaaaat gggagctctt gactggaata aaattgtcca 460

<210> 25755
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E1

<400> 25755

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atgacgacta ataagccct tctactctc gccctggcgt ccgcgctcct tgggtgcggcg 120
ccggccgcgg cgaacgcgcc cggcggtgcg ttcagcaact ggggtggcgat gaaccagcag 180
agctacgcgc tgtacgcgca gaagtccgct ggggaccgtg gcaaggagcc cctgtacaag 240
aagctgtctg aggcggagaa gaagaaggct acgtacgtgg tggaccctag cggcaagggc 300
gactacacca acatcaccgg agcgctggag gatatcccgg tgagcaaacac caagcgcgctg 360
atcctggacc tcaagcccg cgtcagttc cgcgagaaaag ctgtcctgaa ca 412

<210> 25756
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E10

<400> 25756

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agctagcatc catcacccga tctcagaacc atcatccgca ccagcagcac accacgggtca 120
accttccaca cacgcgcgca cacacacatg gcgtcgcacc ataagcaact tcatgctgga 180
gcctctgcat ctgcgctctc cgacgtgggc ttcgacgact acctgtcaca gatcgtgtag 240
cggctaaccg aatacacgct gatgctcgag ctgtctagcg tgttccggct gctgatggac 300
ccggcgctct gactcatcac cttcgacagc ctccgacgca tcgcaccgct gctcggcctg 360
tgcggcacgt c 371

<210> 25757

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E11

<400> 25757

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gctcatcggc ggcgacgtgc ctgtgcctcg ctctcgccgc ggccacgctg gcgctggccc 180
acggtgcgca aggaggagga ccatcggcac cggcggcgga cctggacaag gtcacggccg 240
agaccttctt cgacatcgag atcgacggca agcctgcagg ccggatcgtg ctgggactgt 300
ttggggacac cgttcctaaa actgcagaga acttccgagc actttgcaca ggggagaaaag 360
gaattgcaa gtccggcagg cctctggggc acaaggggtc gacgttccac aggatcatcc 420
cggggttcat gat 433

<210> 25758

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-E12

<400> 25758

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ccaagggcag gaagcaaata ctggacaccc atctcctcct agatgttcac tcttaagtgc 180
tggaagatct tttgctggaa ctgagaatgt ttcaagtctg cagaaggatg aagcatggaa 240
agtgaatgtc cgcattccatg gttgcaatct tgaccagggc tatctatgtg gaacgatgga 300

<210> 25761

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B5

<400> 25761

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gccgccgggg accttgaggt gctcacccg ctcgacaccg cgaagacgca atggtaccac 120
ttcacgccca tcgtggctgc cggcatgggg ttcttcaccg acgcctacga cctcttctgc 180
atctccctcg tgactaagct cctcggccgc atctactaca ccgtggaggg gtccgcgacg 240
cccggcaccc tcccgcgcga cgtgtccgcg tccgtcaacg gcgtggcctt cgtgggcacg 300
ctgtcagggc agctcttctt cggctggctg ggcgacaagc tcgggcgcaa gaaggtctat 360
ggcatgacgc tcatgtcat ggtcctctgc tccgtcgcgt cggagctctc gttcggccac 420
accccggcgt ccgtcatggc gacgct 446

<210> 25762

<211> 226

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B6

<400> 25762

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aagaaaaaaaa aaaccttaaa aaacataaac aaactcaaca ccaaaaaaac aacaaaaaaa 120
ccacttaacc aacatactaa aacatcctca tgaagtactt caccgacacc tacgacctct 180
tctgcatctc cctcatgact aaactcctca gacgcatcta ctacac 226

<210> 25763

<211> 441
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-B7

 <400> 25763

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 gacacgagcc agggacaccg agtgtggtga ggttgccct tcccttcccc ccccccatc 120
 gtcgtcttgg accagctctg tacgtaccgt ccgtcgatcg tcctttcccg tcccctctag 180
 catcgatcgc agcctcctct gctactgcca cgtctctgtg cctgccgaga caagcaaggg 240
 ggctcgtcggg cggggctagg ttgttcctt aattcattct aggggcagat cagatcgaaa 300
 gaaatcaaac taacgtagcc atggaagaag ctccacgtca ttccatgtag ttacttcttc 360
 agagcgcgcg gtggcggccg gctagaagct ttgttcgttg catttgaatt caccacaaaa 420
 ggagaaggcg cctgttggcg t 441

<210> 25764
 <211> 398
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-048-Q1-K1-B8

 <400> 25764

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 gtcactatct ctgagaggtc cttcaatgtc tctgacagca tcttctatgt ctgtaaagga 120
 agaccaaact ttctcacaca ggtcacatga tgcaacagaa tctgtgccga tgaatctgag 180
 cgcacgtcaa atcacactct ctgtgtaatc catatgtgct gaatcaacat gctctgaaaa 240
 tacttctgtg aactatgaag gcatcgctca tacttacagt gtgcttgtgt tagtctctgg 300
 atctaacgtc tcatcgtttg acgctcttac tcagagttat cacgtttcac tttcttttca 360
 gatccattac tgtcatgtag gaggcttcat tacaacct 398

<210> 25765
 <211> 387
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B9

<400> 25765

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gctcctgtca ctgactgtat ctgcggaacg gaatatgatg gaccgactac gcgctcatgc 120
gcttccacct atacatcacc ataacaaacg ggctgcacgt gctgatcgag ctgcctcaac 180
tggtactgta cgccatctac tacaagaaca cccataagat agtgcacgca cgcattgtca 240
aggcaggcca ggctgtcaag actcaagcgg atgcccacgg tagcagggaac tccaacaacc 300
accgctgtgg cagaagcaca tactgaggat cataactact acgacgtaat ctggatgtga 360
gcacactaca cacaacacca agcaaca 387

<210> 25766

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C1

<400> 25766

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gcccgggttaa ctgatggccg cgcagagtgt cgtcaggteg ctcattctcca tgctcgtcat 120
ttactgctgt ttcgaccgct tctgcccgtta cccgacctac accgacatta cgctgtgctt 180
ctatcacata gtgactccaa ctatgcatct gacacactac cactgtctac gtcaccaaac 240
agcgtgcata tgcacattga cct 263

<210> 25767

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C10

<400> 25767

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agcagcatag caggaaagat ctgtgagcgt tcttgacgcc ggcaggggtc caggattacg 120
aaggaaacca agaacgcaag aaacgtctaa gaagagggga ggaaagattt ggggtgtagat 180

tggtagatat attacacagg ttttgttttg ctgtaggtta ttagcaaata aatagctgga 240
gaagaagcct ggctaaaaaa aggtgaaatt tgtggagaac atgtttggga tccaaaccag 300
ggatgtggca gaagattgca actcctggag gaggacatta atgaacacac ccaccgtctc 360
aatgccccatg aacaaccaca acattatgta caacacaggc aagagtttgt tcaatgtaca 420
cctcatgtct gtcaagtttg aagacctgta tggattcatg 460

<210> 25768
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C11

<400> 25768

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gacggccgag gccggcggcg catcggccga cagcccgcct gagccgaccc acacttcttc 120
ggactcgcca gcggagtctc ctggcccggc cgctgaccac gagagcggca gcccgagcat 180
gttgggtggc actggccttg ccctggtcac gctggtcgcg accgtcacgt cctccgccat 240
gctttgtttc taaacgacca cgatcgctct gagtttaata tggtcatgca tgcattggctg 300
tgaggagccga tgactacgcc ttattacgag tctctgaatc tctccttagg gtttttttagg 360
ctgttcgagt catccttttc ggtgttacct agcatctatg tatgttggtc gcgtatcgcc 420
tcgtaattgt taactacgat gaatgaattg ttgcatagc 459

<210> 25769
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C12

<400> 25769

cccacgcgtc cgggtgccag gccttgccct ctcggggcgg tgctccctcc ctctgcgtcc 60
ggcagcgacg cacgcaggcg cgcgcgcgga catgaagggg gccggtgcca tgaggccgtc 120
ggctatgttc tacgtccacg aggcggacgt cgtccagatc caccacttcc tcgaggagtg 180
ctccctctgc gccaaatcgc tcttcggcga catcttcatg tacaggggtg acacgccgtt 240

ctgcagcgag gaggcaggg agcagcagat cgaggtggac agggcgaagc accggcgga 300
gaagcgcgcg gtggcgcacg cgctgtccga acgcagcagg gagcaccggc accagcagca 360
gctgcagcag caccaccacc agcagcagca accgcagtcg cggaatgccg gcatggacac 420
ccgccacccg tgggtcgacg ccgggttcgc ca 452

<210> 25770
<211> 116
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-C2
<400> 25770

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gttcaggacg ttctggaaca aattcttggc tggaatttgg aaggacaact ggttcc 116

<210> 25771
<211> 446
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-C3
<400> 25771

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cgtacgacat gccgtggcct ttgaaggtat ttctcctgat gtgcctctct ataaagtcaa 120
tgaagggaat gaaccttgct tcttcaggac atacttctcc tgggatagcg cacgatccgt 180
gattcatgga aactcttttg agaagaaact ttcagttctt ttcggaatgc gttcagaggg 240
tggcaataag ggctcaggtg atgggtgggcc aactcaaagg gcatcagcct tggccgctct 300
ttcatctgca ttgaatccat cgtcgcaagg aaaacagtca gatgagaagc ccacaagctc 360
agatgacagc gagcatactc aacgagcttc agcaatggct gccttgtcct ctgnccttaa 420
tccatcgaca aaacctagca gcacac 446

<210> 25772
<211> 438
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C5

<400> 25772

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 ggctcaagag tcagggcgcc atggcgacag agacggagac ctctgccttt caggctgaga 120
 tcaaccagct gctctcactc atcatcaaca cttctatttc caacaaggag atcttcctcc 180
 gggagctcat ttccaactct tccgatgcgt tggacaaaat caggttcgag agcctcactg 240
 acaagagcaa gctcgatgcg cagccggagc tgttcatcca cattgtacca gacaaggctt 300
 cgaacacgct ctccatcatc gacagcggca tcggcatgac caagtccgac cttgtcaaca 360
 acctcggtac catcgccagg tccgggacca aggagtcat ggaagccctt gctgctggcg 420
 ctgatgtgtc tatgattg 438

<210> 25773

<211> 300

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C6

<400> 25773

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 agagaaaaaa aaaaaaaaaa aaaataaaaa aaaaaaaaaa aaaaataaaa ataaaataaa 120
 taaaaataaa aaaaataaat ataataaatt ttataaaaat aaatattaca gcaactctat 180
 tttatatcca ccagcttatt ttctcctttt attatactta atactttttt atatgtttac 240
 acactttcta atttgatcaa acttctttaa cactcctagc tattgacaaa cttgtatatt 300

<210> 25774

<211> 450

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-C7

<400> 25774

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gccatctcga ttctggatga gcgtagaacct gaggaggtgc aggctgtgga tgccttccgc 120
cagcttcttg tacttgaaga gctgctacca tcgcagcatg atgactacca catgatgcta 180
agatttctca aggcaagaaa gtttgatata gagaaggcaa agcaaatgtg gtctgatatg 240
ctgaagtgga gaaaggagtt cgggtgcagat accattctcg aggaattcga attcgaagaa 300
gctgataagg tggcagaatg ctaccctcaa gggtaccatg ggggtgataa ggaaggcagg 360
cctgtctact ttgaacggct tggacagatc gatgtgaata ggctaatagca ngtcactaca 420
atggatcgct ttgtcaagaa ccatgtcaag 450

<210> 25775

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-C8

<400> 25775

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gacggcagaa acggacgcat cgtcgtgctc accgcaggga atccgcgcga gcttccccct 120
tccctacatc cggaggcgca aaaggcaggg cctagtgttt ccccatcccc agttatTTTT 180
tcttcttctt ctttaattta cagcaggaag ccaggaactc aaccaagag ggggaaaaaa 240
aatcaatccc cggagaccgg agccctgagc aggtgaagaa atcctagaat ctccagcacg 300
tctgccccgg tctccattga ccataaccat atgaggaaga aaaaaattgc ttttccaggc 360
atggcctggg atttgccgag atctccccct cccggcgtgc ccaggcacag cca 413

<210> 25776

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B12

<400> 25776

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accggtttgt ttgtcaagtg cttattgaac acaactacca catagatata ctaagcatcc 120
aaagaacaga cggattcatc ctgccaagac accagctgct ccaatcacgg atgtccctac 180

tgccttagcg cccatgacat gttctaatat ctatccttaa ttcttaaaga tggtcattaa 240
taacccttc tttaaaagct cacc 264

<210> 25777
<211> 362
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H8

<400> 25777

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gcggcggcga agcatgacga ggccggggag tcgtcgggcc cggtcgccgt tttcaagggc 120
atgaagaaca tgcccccggt catgcctcag gtgctcatcg tcacgggcct cacctggctc 180
tcttggttcc ccttcacatc cttcgacacc gactggatgg gccgcgagat gtaccacggc 240
aggcccgacg gcagccccga ggaggtggcc aggttccagg agggcggttcg gcaaggcgcc 300
ttcggactgc tctcaactc cgctgctctc ggagccagct acttcctcat cgagcccatg 360
tg 362

<210> 25778
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H9

<400> 25778

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ggcctgaggg cggtcgggcac ctgctgccag cggtcggtgc gcgtcccgcc gggcacctcc 120
ggcaacgagg acgtctgccc ctgctacgcc aacatgaaga cccacgacgg ccagcacaag 180
tgcccgatgat ccatccaccg tgggtcccag catcagcagc tttgcaaaa agacatgata 240
cctacatata tataagagta cctagctgct gctgctctac taccttgctg gttcattata 300
ttgtgcgctg gcatgcatga ataaataaat gaacatatta cggcatgtac aatccagata 360
cggctgcacg gtactccaag ttcaagatac aactgaaaca caacacaata ca 412

<210> 25779
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A1

<400> 25779

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ttgggcatgg ggtggagtag ctcgacgaat acgcatctgg tacagggcgc gtgactcgcg 120
gcaaagtctg ctcaggcgtg ctcttgatgt cttcacctgg gagccccgc ccaaggacag 180
caagctggag ttgcatgaga atgtcactgt aacacccccac cttggagcta gtactgtcga 240
ggctcatgaa ggcgtcgcta tcgagattgc ggaagccggg ggtggtgcac tgacagggga 300
gctcgacgca accgctgtga atgcgccccat 330

<210> 25780
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-048-Q1-K1-A10

<400> 25780

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ggaccatggt ctgcaacctg gctcagtgcg ccaccgccgt cgtggcgacc gtcgcgcccc 120
gcaccccttg ccctgctgcg tccgcgtccg tctccttctc cgagaggaag ccggcgggcg 180
gcagcctgcg gctgcagcgg catgcgtgct gcgagccgtc ggtggcgccg tcgcgggcgg 240
tgttcgactg ccgtgccgcg gcgtcggaga gcgcggacga cctggccttc gggggcagga 300
tgtcgtccgg cgatgccgtg ctcgtcatga tgccgatgga caccgtcaag gagtgcagca 360
ccgcgtgca ccgccgaaag gcagtgcatt ccagcctctc cgngctcaag agcgcgggcg 420
tcgagggcgt catggtggac gtgaggtggg gcat 454

<210> 25781
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A11

<400> 25781

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gggggccaac ccaagcccg cttctcttct ctctcgctcg tcccgcactc gccgcgacgt 120
gacaagacaa cgcgacgcgc ggcatacgt cgtccaaggc acgcaggggc cagccaagcc 180
aaccaatcgc gtccgtccgg gtctggtggt ggccggaatg ggccctcctcg atcagctctg 240
ggacgagact gtggccggcc cgcgaccgga ctccggcctc ggcaagctcc gcaagtactc 300
ctgcttctcc cctactcct cctcctcctc gtctgctatc ctggcccccg cgccggcgcc 360
ggcgccgctg gtgacgcga gcatcaccat cgcgcgccg ccgtcgctct ccgtcgagtc 420
ctacagc 427

<210> 25782

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A12

<400> 25782

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ctgggagagt ttctgtctgg ttctcgctc ctccggagag attttgcgat ccttggcggt 120
actgttcgat tgcaaacagt attgctgctt ctctgaggag gcattagggc tatgggcagt 180
tgaactgaac cgccgcggca gaaatccatt cgtgggagag agaaatcaaa gaggagagt 240
agtgatcatg gagcgctga ttggaggga gtataagctt gggaggaaga ttgggagcgg 300
atcttttggg gagctatatc tcggtgttaa tatacagaat ggtgaggaag tgggaataaa 360
attggagcct gtgaaaacaa aacatccaca gctgcactat gaatctaaag tttatatgct 420
actgcanggt ggaaatggta tcccacacct c 451

<210> 25783

<211> 379

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A2

<400> 25783

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catgctctgc gttggtttca acgcttggag tgaagccaga gatttgcttg ttgcaacaag 120
attggatgcc accacaccca agtactccaa ggcccgttat gatgagattg tgaaggaagt 180
ctcttccctac ctgaagaagg ttggatacaa ccctgacaag atccactttg ttcccatctc 240
tggttttcgaa ggtgacaaca tgattgagag gtccaccaac cttgactggt acaagggccc 300
aaccctactt gaggcttttg acttgatcaa tgagccgaag aggccttcag acaagcccct 360
gcgtctcccc ctacaggat 379

<210> 25784

<211> 246

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A4

<400> 25784

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gaaaaggccc acttagcaac caccagcagc agcaggccaa ccggttcgac gacatggccg 120
gcttcggggc cggegcctg ttggcgctcc tagtggcggg cgcggcgggt gccgcgttcc 180
tggcgggtgcc ggctcggcg aagtccgggg agctgatcgc gatgggggtt ctggcgggcaa 240
agggcg 246

<210> 25785

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A5

<400> 25785

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gggctggccc gtgtggatgc ggtcgccgga gaggaagctg ctggcgctcg gcaaccagcc 120
caagccgaac gcgatcgtgg ccaaggacgg tagcgggcag ttcaagagca tccagcaggc 180

cgtggacgcc gtgcccaagg gccatcaggg gaggtacgtc atctacgtga aggccggcct 240
 ctacgacgag atcgtcatgg tccccaagga caaggtcaac atcttcatgt acggcgacgg 300
 gcctaagcaa agccgcgtga ccggccgcaa gagcttcgcc gacggcatca ccaccatgaa 360
 gacccgcacc tctncgtcga ggcgtccggg tcattc 396

<210> 25786
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A6

<400> 25786

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 ggtttgaatt agttgatttc gcagttcagg gtgcgcatct ggtgagtagg gatccagaga 120
 acgggcggtt tgagccggat ctaggggtag tggccactgg gctagcttag ccttccgcta 180
 atgacagtat agtgacgccc cgtgcttttc tggttctaga aggggtgcgcc aggtgctctt 240
 gctgtgtgat ctttgtcgcc ttgtgacgct ggggaccggg ttattggcgg gagtttgtca 300
 gaataatata taaagaactg gtgccacgaa atcgggg 337

<210> 25787
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A7

<400> 25787

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 gtttgggtcca actgaatcac atgtacactg gtactatgca aaaattacca acaaaatcaa 120
 atacagattc aaatatcatg agatgctctc aggttccaag attcaagtac ctaccaatca 180
 gtgtccagc tatatcatca agatcacaca aaccatcact acagtctctg tctagcgagt 240
 ccacatctaa aaatccttgg aaatcctatt caaatggaga tagatctact acaccagagt 300
 ttgatgataa tgcaagtctt gttggtgctg ctccattgct taagtcattt gttactcagg 360
 tggggaccaa atttggggag aacacatcga gatgggggtc catgctctct gatggacagg 420

ttggtaagct aagtgacatc cttcctgg

448

<210> 25788

<211> 168

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A8

<400> 25788

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ggttgcccac gacgctggac ggacgccacg tgggtgttcgg tacgggtcgtg aaagggatgg 120

acgtcgtgcc caagatccaa tcctaggggtc aggttaaccg cgttccca 168

<210> 25789

<211> 449

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-A9

<400> 25789

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agcgatgtgt cgtcgatgtc gccaaactcca gtcactccaa tgctctaacg cttgacgtgc 120

gcgttgact cgacagccac agtaggttca cgcgtcggac ccgagacaaa tcctgaccta 180

cgacaatcgt tgtacgagta ggcgtgacgg atgcgtcacc aacgctggcg cgtgccgcta 240

caatgacact cgcacgcatg ggtacggctt gcacacagtg tacgtgagca ctgtgctgtt 300

cggagaccgt acggnctgct gacgggtgcta cgaggtgctg cgcgtgtaca gctctagcag 360

gtgcaagcct gaagcggcag agctgatggt gacggtgacc gaactgtgcc cgtgctaaga 420

ccaatgatgc aagccaccgc ggtaacact 449

<210> 25790

<211> 436

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-B1

<400> 25790

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gctgatcgag agagagaaca gaagggagga gagagggcct cgccggcgac cttcgctccg 120

gccttgatgt ggggtgccag ttcctcgtcg ggcagtgccg agcgtacacc gagaaggctcg 180

cgctctcgcc gatcaagtct ggaggacgag ctgctcagaa cgcgctcgtcg gcattgaaaag 240

aagtcattggg ctccctacaca aatgcaatcc gccgctcgtct acgtctcgac caacgcgtga 300

ggttacgagc cacctgaaga acaagttggg agctggaatc tcaagtgccg ggtcaagagc 360

aggtaccgca ggatgaggcg catggaggat gctgtgacga gtctcgtgaga ggtctangcc 420

gtcgtctccc agtcaa 436

<210> 25791

<211> 432

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B10

<400> 25791

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gggagggttaa accagacact attagaaaca tcatggacat gaaggcaaac ttcgggtcat 120

ttgctgctgc actcaaggag aaagacgtat ggttgacgaa tgttgagcca catgatgaac 180

catgcaccct caagataatc tatgatagag ggctgatcgg cagcaatcac gactggtgtg 240

aagcctttctc aacctatcct ataacatacg atctttctaca cgcattgggca gtctttttctg 300

accttgataa aagaggctgc agtgccgatg acctgctcca tgaaatggat cgtatcctca 360

agccgactga gtatgccatc gtgaggtaca tgggcaacct cattgagtac atcaagaagt 420

accttcacgc ac 432

<210> 25792

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B11

<400> 25792

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 gaagagacgg atgcgcctgc caaggcacca gctgctgcag tcaccgaggg gcctgctgag 180
 gtagcgccca tgacatggcc gaatggcggg cctgagttcg tcaagatggt catcaagaac 240
 cccttcttta aaagcgcacc tccatatggt agcgaagacg gcctacccat tgaccccact 300
 acagaaggca gcatgaacta aattaaatac caattacgag accgaccaga tatgcatgga 360
 gcatgcaaga atgttgctga acgaatatat gctatgaatg gttacatgta ctggctacat 420
 ttagttcaac ttaatttctc tagtgcgctg aaagct 456

<210> 25793
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-H7

 <400> 25793

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 gtcgcggagg tggcgcgcat ggggctcgcc ggggacgggt cggcggacac cgcccacctc 180
 agtaataatg aaaatgggcy gttcatttat ggagttgcga gttctcctgg taaaagagca 240
 tcgatggagg acttctatga ggcaagaata gacgacgttg atggagagaa aattggaatg 300
 ttcggtgtat atgatgggtca tggaggagta cgagcagctg agtatgttaa gcagcacctt 360
 ttcagcattt taatcaaaca ccaaagttc atcactgatg ccaaagctgc tatcgncgaa 420
 actta 425

<210> 25794
 <211> 370
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-G10

 <400> 25794

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 agacatcctg aacatgtcaa ccatagcatt agaatgctgc aatcaatata taacaatgct 180
 tgcaaaccag atgaaacaat ggataagcac tactacgtag atattactct ttacaaaaca 240
 tgggattata caaaaagcct acagcttttg gaaagatgct tatagatcca acatgactgg 300
 agacaagcca taactttgca aaggctccct gaataaaaaa ccaaagaga tgggtctcatt 360
 ggcatggcta 370

<210> 25795
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G11

<400> 25795

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 caacgacacc aacgccaaca ttaattaatt agtagtctcc atgccctggg attgcgcgta 180
 ggctctacgt tcaacaccac ccacccctcg ttccggcattt tttccccctt gggtatataa 240
 ttacattgta tcgttttggc aaatcatttt gtgattcgac ccaaagcaa gtttggttgt 300
 cttacgattt gtaaacctgg aacaatatat aatgtgattg aactgctttg tctc 354

<210> 25796
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G12

<400> 25796

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 taccgtgtcc tggaggtcac cctggtgtcg gcaaatgacc tcaagaaagt gtcgctcttc 180
 tcccggactc gcacacacgc cgtggcttcc atctccggat tcgacctccg catcccttcc 240

cacagcaccc aagcagacca cagcaacggc tgcaaccct gctggaacgc cgtggtacac 300
 ttccccatcc cggtgcccgc tgacaccgc ggctcgcac tccacgtgag gtcccgcgcc 360
 cagcgtctat acct 374

<210> 25797
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G2

<400> 25797

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 ggcgcctggc ggttccgctg ggccecatgc ccgcggcgca cgcgctgctg atggccggcg 180
 cgtcgtccgc catcttcgcy gggacgtgc tgcggcgggt ggccgagata cgggacacgc 240
 ggtggctcgtg gcgacgccga agccgcagca cccggttcgc gagactcctg tgcttcccgg 300
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<210> 25798
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G3

<400> 25798

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 agttacaata cattatcaac acttctcttt ctcttcaac aactctgaga attacatcat 180
 gaaagggtata ataaacctcc aagaaaagca aatgaagaac ttacgatac actatgcgga 240
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 ttttgaacat agatatccat tgcaaatcca aacctaaaat c 341

<210> 25799
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 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G5

<400> 25799

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actgagactg ctctcatacc cgacggcgac ttactgcgta gggatcttaa cttgacaggc 180

gattgcaagg accacgtgac catacaactg tactgtgact tggctctaaa 230

<210> 25800

<211> 373

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G6

<400> 25800

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cagcgctgc gcctgcgcct gacggttccg ctgagcacca tgcccgcggc gcacgcgctg 180

ctgatggcca gcgcgtcaac cgccatcttt accgggacga tgctgtcggc ggtggccgat 240

atacgggaca cgccgtggac atggcgacgc cgaagccgca gcagcccgt gcggacactg 300

ctgtgcttcc ctgcccggac acgtcctca ggccgcagct ttttctgggc ctacgcctac 360

tacctggccc gct 373

<210> 25801

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G7

<400> 25801

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cgctgacgcc ttcagcgct ctgaagctta caacagcagg ttgaggcaga cgcttgacgc 180

caagcagctc aagactggaa tgatgcacaa ggggaagggtg aacaggggtgg acttctcagg 240
gccgctgctg tcgcagcccc ggcgcacga cgagctcctg cacatccacg agcagcagat 300
ccggcaagct ggtcgccggc catggttcat gaaaggcacc gaggaggagg agcactgatg 360
gcagagacac ggcattggaca caactaaacg cccatcagat ttgcacgtac ttaccacaga 420
gcaggagaag atgctg 436

<210> 25802
<211> 97
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G8

<400> 25802

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cgatatgtaa agagggggaga atgggagaca ctattcg 97

<210> 25803
<211> 171
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-G9

<400> 25803

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cgcgaactat catgggggtg ctcctctgca tgatattgca aagcaaattg ctacatacaa 120
tgctaccagc ccatcatcac tgcaacacaa ggcacggacg acaactacta c 171

<210> 25804
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H1

<400> 25804

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atccatccat ccatgctaca tttgcagtca tttgctgtta ttttccaatc ctggtagtt 180
 cttgtaagct aaccccgcat ccgataagct aatcctgtaa atggcgcaag gagcatcagc 240
 tctggactgc tctgttgta gagaaaaaaa aatactacag cttagagttg gggaaggagg 300
 gcaatctgga aattcatcca aagctttgtg gcgtaacttg attatatatg tacttttgta 360
 aaacctacca gttgtgggtc aaatccaccg gctactaact aactagccta tgc 413

<210> 25805
 <211> 318
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-H10
 <400> 25805

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 gtctattcgg tatagccgca ggactagctg gtggactact tgctcttgga ggtggcttca 180
 ttatggggcc actgctcttg gaacttggca tccctacaca catttcaagt gctacagcta 240
 cctttgcaat gatgtttctca tctaccatgt ccgctgtcga atactaccta tggaaccagt 300
 ttccagtgcc ttatgctg 318

<210> 25806
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 25806

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 cgcgctcgac gccctccagt cccacgttgc cgccgcctc caggcgctct ccgcgcacgc 180
 caccctggc cctggctccc cgctcgctc caccctccct ttcctctcgg agctcctcga 240
 cgccgtcgtc tctctgacg acgccttccg cggagtgtc gcgctggccc cagtcgccgn 300
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gacgctcgac gttct

375

<210> 25807

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H12

<400> 25807

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aaagttggta taagggggca tgacctacag atgtgcactc ttttccaggc acaaataaat 120

ggaaaactggt atttcacagt aatagagact ctaccatcag ctacttcata ctcaccaaatt 180

ggagaactgc aaccacatt acagaaaatg cggattcttg ttggacaacc actaaagcag 240

cctgcaaatt acattagtgg ggatttcatt attcctgtga tggcaggtgc tgattcaaca 300

cccgactatg gatttgagtc attttttgaa gatcaagatt gctgcaaagg tttgagtgga 360

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<210> 25808

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-H2

<400> 25808

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ccccgctata aatccgtcgc acccgcccac ccacctgccg tgccagtgcg ctcatctgcg 120

tacacggtct ccctcttctt gtcagtagta gagtgcagag gaggcagcga gtgggagaca 180

aggggaaatg gggaaggag cgcaaggag cgatgcggcg gcggcgggag gcgaggtgga 240

ggagaacatg gcggcgtggc tggttgccaa gaacaccctc aagatcatgc ctttcaagct 300

cccggccgtc ggcccttatg atgtccgcgt gcgcatgaag gcagtgggga tttgcggcag 360

cgatgtgcac tacctaaggg agatgcgcat cgcgcac 397

<210> 25809

<211> 455

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<212>      DNA
<213>      Zea mays

<223>      unsure at all n locations
<223>      Clone ID: LIB3066-047-Q1-K1-H4
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<400> 25809

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 gccgtccgtg gcgccgtcg ggg 383

<210> 25814
 <211> 384
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E4

<400> 25814

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 gcaggacacg actgcgccac cgcaactcct ctggaggcgg tcgtggatgt cgctgatgga 180
 cttgaacgcg gtggggcgca acgtgaggtt gggcggcgcc tgctgctcg ccgggcccgt 240
 ggctgagccg tacaggagca cggacgcgtt gcagccctgg acgaagcagt cgtggaagtg 300
 gatgcggatg acgcccggcg cgaagacggc gtacatgcgc acggtgtact gcacgaacct 360
 acgcacgacg gacttcgacc tggg 384

<210> 25815
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E5

<400> 25815

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 ctacgttgcc gatagtgatc gcgacgatgt aatcgagatg cgcaattacc tgaccagcgt 180
 gtacgaggaa ggcgacacca ggtcagccct gattgccatg gtccaatcac ttcagcatgc 240
 taagaatggc gtggatatcg actcatgcag caagattcga acgcattttg caaggccaaa 300
 ctggagaaaa gtgttctctg attcggccaa tgcccacaag aactcacgca tcggcgtttt 360
 ctactgtgga tcttcaacac tgaccaagac cctgagagat ctttcgatag agttcagcag 420

taccacgacg actcgg

436

<210> 25816
<211> 376
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-E6

<400> 25816

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atggtaattg gatcgagatt ctacgcgtgg ataacctggt catcaccggc aagggaaacc 120
ttgacgggca gggcccagcc gtgtggagca agaactcctg caccaagaag tacgactgca 180
agatccttac caactcgtg gtgatggact tcgtgaacaa cggggaggtg tccgggatca 240
cgctgctcaa ctccaagttc tttcacatga acatgtacca gtgcaagaac atgctgatca 300
aggacgtgac cgtgacggcg cccggggaca gtcccaacac ggatggcatn cacatgggcg 360
acttattcgg gatcac 376

<210> 25817
<211> 398
<212> DNA
<213> Zea mays.

<223> Clone ID: LIB3066-047-Q1-K1-E7

<400> 25817

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tggcgctcta tgtggacaac acctcgatg gacgggagta caacgtccag gatctctagc 180
aagcgcactt agctcgctt gagattgatc tggcccaggt cgaaatgcc gaactcatgg 240
cctgccccgc ccagtttggc ccgtccaagc cttttgccg cgctaggatc tccgcgtctc 300
ttcacatgac cattcacacc ggcgaactga tcgagacct taccgcgctc gatgccgagg 360
tccgttggtg ctctgcaac atcttcttca cacaggac 398

<210> 25818

<211> 383
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-E8

 <400> 25818

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 agcatcccct tgttcaattg accccaccac cgcccgcctgc tgcttcgttt ctagctcgag 120
 agagtttagt gggttgcttg attccgaagc tccgagctcg tgggattgaa ttgagcccc 180
 ccaagatcag aattggagca gggggttttg gtttctgct tggtgccgct gattggagta 240
 cgcttctttt gtgggtggtt agaggctgct cggcttccgc cgaccatgtc cgtgccggcg 300
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 tcgcgcggct cggcgccgtg. cgc 383

<210> 25819
 <211> 64
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-E9

 <400> 25819

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 ggtc 64

<210> 25820
 <211> 301
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-F1

 <400> 25820

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 catctccgtc taacaatacc acaactatct cttctattac taaaccccct aatttatatc 180
 atatatctac tcatcagttc cactaatcaa cttatctttt aattacaaca atctattccg 240

actcattctt aacacttaca catctttcct cacttatcaa atctactccg tccaattttt 300
t 301

<210> 25821
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F10

<400> 25821

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ctggtaatgg tagcggcctc cttaattacc ggcattgatgt gcttaaagaa tgattattat 180
ttcaatcata ctgtgcacca ctacctggac aaattgctac ctgagcacia gacatacatt 240
ctcaagactg ttgcatgatg ctatcttgaa ctagcaagac atcactatgg ctctcgctc 300
ctgacgataa tggttgggtca ttcaactgat gaacacagaa acaac 345

<210> 25822
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F12

<400> 25822

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ctggtggcgt gccgtcgttg attgagctcg aggatgatca agtgggggct cagcagcggc 180
acgcccgtg attcctacta cgagggtccg tcagattgca cggaccgtgt gcccaagagc 240
aagttcaaga ttaacgctgg caaaacatta agtgctcgga aatggcaagc tgcatttagt 300
cctgatggct gtcttgatat tgcctcagtc ctaagcaaga tacagagagg aggtgtccat 360
tcaacagtca gatgagaggt ttcgggactc ttacttggct gttttg 406

<210> 25823
<211> 402
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F2

<400> 25823

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tacatactac atcatattat acattttaate ttattttctt tagcctagta ggcctcatgt 120

tttagtttcg tacagggtct cgaattttct cgggacggcc ctggtaccag gcggtggtgg 180

cgcgggggtg gtgcagcgac gacctctttc tcttctccaa ggcacgcaac agtgatggta 240

agtcactcgg gtcggggcca caaatgggag gaagcgagga gtcaaggagg gaacatgggtg 300

gagaatggaa gtcgatgaga agggaaggga cgccgcctcg gcagtagggg caggcgccta 360

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<210> 25824

<211> 266

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F3

<400> 25824

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ggataatagc ttttaaacac aatgaatcta ctttgactac ctttactatt gtacattttg 180

gataactcat agaaccacat actcttgatt atttacaaaa acttaattct atccaaaaca 240

tgtactctaa atctgcaaaa cttttc 266

<210> 25825

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F4

<400> 25825

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caccccgctc accttccagg tcggtaaggg atccaagcct ggccacctga tcctcacccc 180
gaacgttgcc accatatccg acgtggagat caaagagcat ggtggcgatg acttctcctt 240
tacgctgaag gagggcccga cgggcacctg gacactcgac accaaggccc cgctcaagta 300
ccccctttgc atccgctttg ctgtcaagtc tgggtggctac cgcacgccc acgacgtcat 360
ccccgccgat ttcaaagctg gcaccactta ttagacga 398

<210> 25826
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F5

<400> 25826

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ctgcgtatgc tctcaaagaa gcccggtgatt taaagcataa ggctaatacgt ttgaaggaag 180
aaggaaaaga gcttgaaagt acaagactct actttgactc cgccttaaaa tttttgcatg 240
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gcatgtattc agatactgca aaactttgca actttgctgg tcacgcgtat gaaaaatgca 360
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cactact 426

<210> 25827
<211> 384
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F7

<400> 25827

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ctccagttac tatacacact acttcttctt catctactat tataacaacc tcaacttta 180
agcaaaatgc ttatcatatt acctacaatg gaaacgtact ttcaatcaca agactctact 240

ttgactatattt attaatattg taccatttcg tacaattcat ataaccacat actcctgatt 300
 atttacaact acttatatct atccaaaaca tgtactcaaa atcttcaaaa ctttgcaact 360
 ttgttcgtca tacatcatcc aaac 384

<210> 25828
 <211> 350
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-F8

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 acgacggcgt gcacagggcg acggcgacgc ggtcgcggtc cctggcgcac agggcgcggc 300
 gccctgcac ggacaccaac ctcatcgacc agtgctggcg gtgccgacgc 350

<210> 25829
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E12

<400> 25829

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 caggaccccc aggaagcagc aaacaagctt ctcaagaag cgtcccgaag gggaagctct 240
 gataacatca ccgttgtcat cgtccgcttc ctatatggaa ctaccggtga taaatcaagc 300
 gcagacaaag agaccaccaa tgacaaaac tcctaattac ctctgtagg gatccctcat 360
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<210> 25830

<211> 352
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-F9

 <400> 25830

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 atgtgggtcgt ggttgacgaa gattgcgtcc gcggtccttg gcccgggtccg gaggtgcgcg 180
 cgtacgagga aggatgagga cgacagcgat aatggccgcg gcgtcaccga cgacctgctg 240
 tggtcgcggg acctcgggcg ccacgcggcg ggtcagttct cgtttgccga catgcatgcc 300
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 <211> 422
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-C9

 <400> 25831

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 ctactgcgac gagaaccagg agatgacat ggtgtacgag tacatgcaca acggcgtggt 300
 ccgggaccac atctacggca gcgaggggaa ggcgccgctg ccgtggaagc agcggctgga 360
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 ca 422

<210> 25832
 <211> 431
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-047-Q1-K1-D1

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 cttcgtcgaa gccgaacccg ttcgactcgg actcggactc ggagtccagc aataagccgg 180
 cgaacaagtc cggggcgctc tegtaccagg cccccgccga cgccaagaag cgggtacaagg 240
 acgggttccg ggactcgggc gggctggaga accagtcggt gcaggagctg gagcactacg 300
 cggcgtacaa ggccgaggag acgacggacg cgctcgccgg ctgcctgcgc atcgccgagg 360
 acatcaggca ggacgccagc gacacgctga tcacgctgca caagcagggg gagcagatca 420
 gccggacgca c 431

<210> 25833
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D10

<400> 25833
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 ccggatgccc ccgtcacgtg ggccgagtac agatcgatga ccttcaccaa tcagggtcatc 120
 atggagatgg tgaggcttgc gaacatcgtg ccggggatat ttcgaaaggc cctgcaagac 180
 gttgagatca aaggctatac gattccggcg ggatggggcg tcatggtgtg cccaccggca 240
 gtgcacttaa accccgacat ctatgaagac cctctggcgt tcaaccctg gagatggcag 300
 ggcaaacctg aaatcaccg tgggacgaaa cacttcatgg cgtttggagg tggcctcaag 360
 ttttgcgttg gcac 374

<210> 25834
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D11

<400> 25834
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gcgaccgccc agccgcccga tctgcgccgg cgacgcgccc ggacgtcgga tctacgccgc 120
 cgcaggaggg gggaggcggc gctgtggccg ttctctgccc gtgagcgccc ggatccgtcc 180
 cgccgcaagg attatggatc cgaaagagaa gccaaatgta tcgagcagtc caccaacacc 240
 acggctggac tgcataaaat gctttgatat gctctggttc tggtactcac cattccacca 300
 gatgcagaat tattaccggt atggggagtt cgacacctgc ttcggcaagt ggggcgatct 360
 tatgggctgc ctgcgtctca agaacaaagc g 391

<210> 25835

<211> 327

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D12

<400> 25835

cttgccaatg acattgatta agctggcaaa atttgaaaga gagcaggcaa catgggactc 60
 gcgtaagaag acggctctgtt gaaatccata actttgcaaa ttctgttttg aagatgagca 120
 ggtcacagat aaaattgaac tctgaaattg tgaaacacct gggtagtatc catgaatatt 180
 tggagatgat gatatcagtt catcatgcat ttacagatcg ctctaattgct ttacattacg 240
 tgcaaattct gtcagcagat ctgttttctt tgcatatcag ggcaaggaga cttgaatcgt 300
 cgtacgcacg aaatatgggg cacgagt 327

<210> 25836

<211> 403

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D2

<400> 25836

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 ccttcttgca aagcgtgcaa tacaacattt tctagaaaga aagcgccggc atgaactgca 120
 aaaaagggtgc ctaactcctt atgtcatttc cttttagaac attcaaatcc aattgaaatg 180
 tagtagcatt atttaagtgt ttgggttttt aaagaggttt atattttctgt tttagccatg 240
 gatagaatgt aagtgacttg tgctgttacg atttatttgt aagaactttg taacctctgt 300

atgcctatct attgacacat gtgcaacgtg tagctaattt taaatttgta gacgtcacat 360
gaaattggag aagactatac tgcaggggtga ttaagtgaat atg 403

<210> 25837
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D3

<400> 25837

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tcaccagga ctgcttagag atactctagc ttttcatggt tgtgctgaac tgttccagga 120
tattcataca gaacttattc agtatagaag gaatcagatg attaaacgag gaacagtaaa 180
ggagcagcta acagttgatt cagtgtccag gaagatggct gggttgtgtc cactcatgcc 240
agaagagggt ggacttctac ttcaagcatt aggttaccca ccaactacaa taatattctt 300
ggctggttcc gagacttttg gtggacaaaag aatgcttatt cctctacgag ctatgtttgc 360
taacctagtc gatcgaactt cattatgtat tcagagggag ctgtttgatt ta 412

<210> 25838
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D5

<400> 25838

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gcatcgtttc ttgctctcga gtgctgtccg gacactaaat cccaaggaag ctgattgggt 120
ctatacacca gtttacacta cttgcgattt aactaacgct ggactgcctt tgccgtttaa 180
gtcaccacgg gtgatgagga ggcgatcca atatatttca aacaaatggc ctttctggaa 240
taggactgat ggagcagatc atttcttcgt tgttccgcat tttgcagcat gtttccacta 300
tcaggaagaa aaagctatcg agcgtggaat tcttccattg ctgcgacgtg cgacattgggt 360
ccaaaccttt ggacaggaga atcatgtttg cctgaaggag ggttccatca ttattccacc 420
ctatg 425

<210> 25839
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D6

<400> 25839

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 gggggcgggc gaccagggag attaagaggc gatgggtccg tgcaatgcat gcatgcggat 120
 atatgcatgc gtaaacacat cgagacgccg aaaaattgtt cttttatatt tatgtatatg 180
 tacatgcata tgtctcctga ttcaactttg atgtttattg tctctttcgc tttcgtactg 240
 aacttctgtg tgtaagttga tatatggatc aatagattgt tattcactat atatactatg 300
 gcttcttgca gctgctgatt aaaaaaaaaa ttggccatgc ctgtcacaaa tggcattcgt 360
 ccaaaagcgc ctgaacaata aaaagggg 388

<210> 25840
 <211> 410
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-D7

<400> 25840

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 tccgctcctc tcacccacgg tttctggagg acaattcttt gctatctagc cttcctcaaa 120
 agtaaaaagg gtaaatggga tcagaaggac cttcagttgt cactgtccat gttactggat 180
 ttaagaagtt ccatgggggt gctgagaacc caactgagaa aattgtgacc aatcttaaat 240
 ctttcttgga aaagcgaggg ttgccaaaaa atcttgtcct cggaagctgc acagttctcg 300
 aaacagcaag ggaaggggca cttgccacat tatataaggt tntagagtct gctgttgag 360
 acagaggaac tgggtcctcg gcccatggac aagtaatttg gatccacttt 410

<210> 25841
 <211> 388
 <212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-D8

<400> 25841
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 agtccccacg cgctgttcca tccaacccta gccaccgttg gtgcctcggc ggcatgccct 120
 cgtttgctt cgtctccgct cggtagccg cggtatgcga ggcggacttc ctccgcatct 180
 ccgcctcgca ggaagacctt ctgcccgcg ccccttcat caccttcaac ccggaggagg 240
 aggaggagga ggaggccgag gtgtccagca cgccgcctct cacacaccag gccccgcaga 300
 ggcaggggga agagggcatc gccatgtgct ccatgccctt caccagcct tcctccccctt 360
 ctncggctcc ctccccctcc ttggggag 388

<210> 25842
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-D9

<400> 25842
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 gcgctggcag gccgcccgcg ggctggacgc cgtcacgcg agggagatgg ctccgcacga 120
 cacggaccgc gacggtgccg tcacgctgcg cgagttcttc gcagactgga tcaacatggg 180
 acatgacaaa atgggggtggg ggatgcacaa gtttgcgagc gcggacagag acggggacgc 240
 ctgctcaac gccgtcgaat tcaacgactt cctgcatcct gaagacagca gccaagagag 300
 cgtgatgctg tggctactca aggacaagct aagcgagatg gaccacgacg gagacggcag 360
 gctaagccag gaggagtctg tcgccaatc tcacatcatc atctccggcg cgcgtcacgc 420
 cg 422

<210> 25843
 <211> 171
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-047-Q1-K1-E1

<400> 25843
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 gagccgggcta gaccaccatg agggagcgtc gaggacccat cagttgcgtc gccccctgcg 120
 tcctacctcc ccctcactcc ttctctgggct ttacgctggc cacactgccg a 171

<210> 25844
 <211> 263
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-E10

<400> 25844
 attcccatc gaccacgcgt acgcgtaccg ttcgatctaa cggtgggtcta aaacctatct 60
 ccctgcttca ccttttcggct ttgggtgccca cagcacaaca ccttaaccta ctatagcatg 120
 cttatggcat accatgtact gcaagtcaac ttgggtgtga aaaatgacct cataatagta 180
 tcgctcttct atccgactca catctactct atggcttaca tcttcagata tccacttgcc 240
 attacttcac acagcaacta agc 263

<210> 25845
 <211> 419
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-E11

<400> 25845
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 ggatcgccgt ggcctacgag ggcctctaca acgaacccat catcgacaga ctccactccg 120
 agctctccgg cgaattccgg agcgcgatga tgctgtggac ggtggacccg gcggcgcggtg 180
 acgccaagct cgcccacaag gccatgaaga agcagggcga gcggtacgtg tgggtgctca 240
 tcgaggtcgc ctgcgcgtcc gcgccggacc acctcgctgc cgtcaggaaa gcctaccgcg 300
 aggctactc cgctnccctg gaggaggacg tcgccgcgtg cccgctctac aaggacccgc 360
 tcctcaagca gttcttggtg cggctcgtga gctcgtaccg gtacttcggc gagctcgtc 419

<210> 25846
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C8

<400> 25846

cccacgcgtc cgctaagctg tcgtcgcaga atcgcacgta cgcgcgatcg agaaggcagg 60
accaggacga cgatggcccc gccgcgcctc ctctcacct tcctgctcgc cgcggcggcc 120
gtgctgacca cgggtgcccgg cgtcgcgctc gccaaagtcga agctcgccaa gaagagcgac 180
gacgtcgtga acggggccct cctgaccgag aagatccagg cgaagaagac gctgatcgtg 240
gggcccggacg aggagttcaa gaccgtgcag tccgccatcg acgcggtgcc cgccggcaac 300
gccgagtggg tcctcgtcca ccttcgctct ggctgcaca ggggcaaagt tgtgataccg 360
gagaacaagc ccttcattct cgtgaggggc aa 392

<210> 25847
<211> 250
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B12

<400> 25847

agccaacaaa aagagaaaac ctaaataaaa aaagccaccc tatacactaa aaaaaggaaa 60
cggggaaaag ggcatggcga gagaaacgag agcaacacac acaatgggga gctcaaagac 120
catagatgcy tacacactgc cactaaacga gctcctgctc cagactttcg cgaccaccga 180
aaaggtaaaa acagtgcacg aactgaattg aaaggaccaa atccaaaaga cattcaacca 240
agtgcactaa 250

<210> 25848
<211> 219
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B2

<400> 25848

cccacgcgtc cgcccacgcg tccgcggacg cgtgggcagc agtctagtgt atgtaggcgc 60
gcgtatcata tcccaccggt gcctagtttc gtcgtccaca aggaacttag aacattgtaa 120
atacctggaa ataaatttgc agcttagctc taaagtaa atccagcccaag atttgtgaac 180
atgcatgtat gtcattagca atggaagccc ttgtttatc 219

<210> 25849
<211> 271
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B3

<400> 25849

ctagttctag atcgcgagcg gctgttctcg atctagaact agtgttctac atggcgagct 60
tcccagcagg gaggagcgac acgccgccta tcaccgtggc actggcactg tcacccccat 120
gaaaccgcag caacacgcgc cttcctgttc ctgcgagcgat ccagatcggg cgtccgatgt 180
gttcctggaa gcgtcaccga ggcataactc gccggtcccg atccccaccg cgcacaggca 240
gcagcagcag ccgcatccgt acttcaaggt c 271

<210> 25850
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B4

<400> 25850

cttccgcaag aaagggaggg gcgcggacaa gaagctgctc tcgcggcggg acatcggctt 60
cgatttggat ggcagaagcg gcgacaggat ggacctcttg gagacgtccg ccgctgtccg 120
caagagcttc tcagatcggc actgcacgac gcggatcgag aacctgacgc tgagctgcct 180
ggattctccc aggagaccca atgtcgacac ccgggagtac cgggtgtttg taggcacatg 240
gaacgtggga gggaagcctc ctgacagcag cgtaaacctc caagagtctc tgcagatcga 300
aggcttcccc gatatatatg tcttgggggt tcaggagatc gtgcctctga acgcgggcaa 360
cgtgctggtc gtggaggaca acgagccggc gggcaagtgg at 402

<210> 25851

<211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B5

<400> 25851

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 catgcccagc agggaggagc gacacgccgc cgagcaccgt ggcaactggca ctggcacccc 120
 caggaaaccg cagcaacacg cgccttctctg ttctctcgagc gatccagagc gggcgctccga 180
 ggtgttctctg gaagcgtcac cgaggcagaa ctccgctggtc ccgagcccca ccgcgcacag 240
 gcagcagcag cagccgcagc cgtacttcaa ggtcagcagc aggttctgagt cggagatgaa 300
 ggaggccaac gagatgctga tggagtccaa gaagctccgc gtcaacacga ccaagcccaa 360
 gaccaagacc gtgacgttctg cgcctctggc cgtggagcgc gagcagccgg gcccgggcgg 420
 cgagaggagc ggc 433

<210> 25852
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B6

<400> 25852

aaaaaatgtg atgacaaaat gcagcatcaa aaacatggga gctaagcagc catctggcgg 60
 cgcatggtcc acatccaaat cccttcttta caagaagata cctacggctc ccgcctcgcg 120
 caattgaagg cagaactcgg atcggcgagt cagtcggcat tgtgcatgga tgaatctggg 180
 cctcgcgcgc cccgtctacg ccatgggctg cgtgctccac ctccaccgct gggcgctcgt 240
 ggccgcgcgc ccgtgcccgg accgcggcaa cgcgctgcag gcgcaccacc tgccggccgc 300
 gccgtcgcgc gccgcgttcc cgtgggcgcc gaccctctc gccttacaag aacgcctcgc 360
 cgaggagggc aagcgcaagg acaggcgcca ctctgtgcg 398

<210> 25853
 <211> 436
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-B7

<400> 25853

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ggccgcgcgg ccggcgtctg caggcggggg agccgcggcg gtggcggaga tctgcatgaa 120
gactccgtcc cccgacctgt gcaccaggac ggcggggaag cacgccaaca agtacaaggt 180
ggtggacgcg gtgacggtgc tagagatgca ggtggacgcg ttcaagaagc gcgtgaaggc 240
ggtgcggagg ctgcgaagg aggaggtcaa gacggccgcg acgcccagg cgcggaagggc 300
gctgaacctc tgcaagacct actacctgga cgccgncgac aacctcggcg cctgcaagcg 360
cgccatcggc ttccgcgacg ccgtcaccat ccgcgccacg atgagcatgg tggcgcacga 420
cacgcagaac tgcgac 436

<210> 25854
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B8

<400> 25854

ctctcctctc tcatcaggag tatattgggc gggatccgag acggccgtgc cgctggcatt 60
gctcgatcga ggagggaaaa aaaacaaaag ggaagcaggc aggtcgtcga gaggggagga 120
attcgaaaac catgctttca gcctccgac cttcctcgag tgcttgctgt ctggcggaac 180
ttcaactgaa acagctgacc tgactactag tgaagcaa at aaccaggaga gctctgtcca 240
ggacggttta gacaccactt gtgctaagga aaacaaggga aacgacggtg tcgataatgc 300
tgctgagaac tcgactcaaa tttcagaatc ctctgatggt ggccaactat cactgcagga 360
caacaagatg ggtgattctg atgctgcaga tgcgaataga tcatcagcat cttcgacgat 420
cgtgtctgaa agcaag 436

<210> 25855
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-B9

<400> 25855

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acgagatacc agccaccatg cgctgtccc tctcctcgt cgtcgtggcc gccctctcgg 120
cgcgcaaccgc ggcgagctg ccgctggcgg gcggcgccctg aagccggact 180
tctatagcca gtcgtgccc cgcgaggagc ggatcattgc ggaggtgatg cagacgaagc 240
atatggcgaa cccgacgacg gccgaggcc tgctccgct cttcttccac gactgcttcg 300
tcagcgggtg cgacgcgtcg gtgctgatcg cgtncacca gttccagaag tcggagcacg 360
acgaggagat caaccactcc cttccccggg acgccttcga cgccgtggtg cgcgccaagc 420
t 421

<210> 25856

<211> 431

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-C1

<400> 25856

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gagccggagc cggggagaag aagagctcgc aggcgcccgc aaagcctgga gcgtgcggcg 120
ccgcaaagtt cctcgcgggg ttgccgtcgc gcggcaactt ctcttccggc tccgccccct 180
ccaatctggg agggttcagg gtttacgtct gcgagcacag cacagatccc ccagaaggac 240
aagttataaa gacggattca acgaatattt taatcaggca tctccagttg aacaagcaga 300
agactgaggg caaagatgtg gattccagaa ctgtcggcga aaacaacaga gggaaaagat 360
ctgctgccag aagtttggat gtcaacaatt cagcanagaa ggctaacttg ggtacttcat 420
ctggatcatc a 431

<210> 25857

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C10

<400> 25857

agctattcca attcgctcgg aaaattgagg aattaatgta caacatgagc cctggggaga 60

tgcccttcca agttggaatg tcaaaggtag attttcgcaa gatggtgaag tctagcttaa 120

ctggacttga caagacaatc aatgcaatgt atagaaaact acagaagaat atgactgccg 180

aggaattgct gccttcgcta tgggaaaaat gcaagaaaga gtttcttgat aaatacgcaa 240

cattcctcaa gttgatttcg aaaatatatc ctgacgagaa agtgatatct gtgaacgaaa 300

tgagagatac tctagcttca ctgtagctat ttcgtagaa agttcgcgatg tccgttggtt 360

tgcttgcgca ta 372

<210> 25858

<211> 264

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C2

<400> 25858

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acaaggtggc aacagatcgc accaccagca accagcatcc aaccacagaa gggttctgca 120

tgcaacacac tgatgggacg tgctaagcca acttgccatg aagaatcaat tctgaccaca 180

catactgtgc aggcacactt gactaccagc tgagagcatc gcgcaccata gctctgatca 240

ccacggtgta aacaccactt gtgc 264

<210> 25859

<211> 407

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C3

<400> 25859

cgatcatata gatggaaact tttcacttta aaaaaaaaaa aaaaaaaaaa aagaagaaaa 60

aataaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaaaaa caaacattca actacattcc ttttttaata aaaccaccta 180

acttcattta acttcctttt atttttcacc ttactttact tctaaaaccc tgtctttacc 240

catttttaaaa ctcgtaaaat ctcatcctac tttaaacatt tgcactttta tcaaataaggc 300
 cctttcccat ctctcttctt aacaatttta gccccctaaa tggccctttt aacaatcttt 360
 gtaacgctta attaattact gaatctcccc tttttccccc ccttttt 407

<210> 25860
 <211> 319
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C6

<400> 25860

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 ggatggacaa gacgaccgag cccatagtca aggccatgtc ggacaagact accgacttcg 120
 tccccatctt cgccaaggcc atggagaagc tcagcgccct caaggttctc acggggaagg 180
 acggcgagat caggaagacg tgctccgagt tcaacaaccc gcagaacacc agcggcgagca 240
 cgtcggtgat acggatcagc tccatcgacg ccgaccagat ggccggcctg tcgcagccag 300
 ggtcgacgtc caggaaggt 319

<210> 25861
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B11

<400> 25861

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 catcgagagg gcggtcgaga gaaacgagag cggcagacac catggggagc tcgaggacca 120
 tcgttgcgtc cccctgctc ctctctgccc tctctctctt ggctttcgcg gccaccgccg 180
 agggccgcgt tgctcccgag ctgtttggcg aggaccaatt ccagcggaca tgcaaccagg 240
 tgcacttcag gaagatgtgc cagagcttga cgaggctccc gagggtgaca acgccgcgcy 300
 aactgctgct agcgtcgatg cgcgtcgcg cggagaaggc cagggaggcc aagagccggg 360
 tggacgagtt cgcggcgagg aaccacgagg gccggccgat ggagtccatc ctcggagcct 420
 gcagcaacgg g 431

<210> 25862
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C7

<400> 25862

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 catcgtgcat ggtgagaagg aagagtcaaa gggcatcgtat gcgaaagcgt ccgggcctgg 120
 tgggtccttc gacatcacca agttgggcgc ctccggcaat ggcaagacag acagcacgaa 180
 ggctgtgcag gaggcattgg catcggcgtg cggcggcact gggaagcaga caatcctcat 240
 acccaagggt gacttccttg tcggacaact caacttcaca ggcccttgca agggcgacgt 300
 gaccatccag gtggatggca atctgctggc gaccacggac ctaagccagt acaaggacca 360
 tggtaattgg atcgagattc tacgtgtgga taacctggtc atcaccggca aggg 414

<210> 25863
 <211> 326
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-H4

<400> 25863

gacaacagct tgacgaaacg aacaatgata gacgaggttg gttactagt tatagccact 60
 agtaggaagc agaaaaagaa aacagatgga aatgcccacg ctatctatgt gcacgaaga 120
 aggccggcga tcgcccgttc tctctcaaaa actgcgctcg tgatcctggc tcgcccggcg 180
 cgtcgaacct tctccgtct cctgcacca tcacgcggg gacgccggg cgcccaccac 240
 ggtcaatccg tctcgcacca cgtcctncag ccgctgcagg agcgggtcgg gcgtgcaggc 300
 cggcggcgcg tcgaagacgg cgagcg 326

<210> 25864
 <211> 202
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H5

<400> 25864

ataccaggcg cgggtgcctgc cacgcggtgg tggcggtcac ggcgccggac gagggggccg 60
atgcgcaacg ccgtaagcgg cgcaggactg ctgaagtcga cgggtcgcca gaggtggccg 120
gcactccagg tgtccgtccg gtgggcagag acatgttcga agagctgcct gacgatcttg 180
tcgtctccat actacgggac tg 202

<210> 25865

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H6

<400> 25865

agacttctta cgttttctat ttgaactgga cattgttgat gaaacaacc agttaaaga 60
tattagagca gaaagtcact ctataaataa tgatggaacg aatgttgctg atgatggctt 120
aggaaaatca aattcaacga gtccgatgtc ttcattctca agtgtgaaac agcttgataa 180
aggaagtcct aatggccttg tgcgcagtga atcatttgaa attcattcca tatcacccgc 240
taagcaactg acaacagcag tttctacgtg caacgatgtt gatgaatatt tagagaaaac 300
agcttttcag aagggtcggt ttaaggtgat acatgattat agcaagcttg aaggagcaac 360
gccaaagagag aaggaattat tagatcgtat aagtagttta gagcaaatgc ttcttgctac 420
cca 423

<210> 25866

<211> 345

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-H7

<400> 25866

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acgccagggt ccttggaacca ctatatccag gagcgacgaa gtgatccacc cgccagccat 120
ggagatgaag aaggtcctct gcgccgcct cgtcgccgcc gcctcggcca ccgncgtgct 180

ggcctcggtc gcttcgagg cgccctccga ggcgcccgcc ggcgcggccg gtggtgcggc 240
 tggccctagc gcaagcggcg cgggcgcggc cgccgtgccc gcggccgggc cgctggtggc 300
 ttctttcttg gcttactact tcaattgacc gacaaccccc ggggc 345

<210> 25867

<211> 239

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A1

<400> 25867

cccatgtata cattgttcct gtttgtttcg actttttgta gcttctggcc accaaagact 60
 gctgccaact gccaaacact cagcttttca gccagcttct ataaaaatcc gttggataaa 120
 acccttccaa attaaccata acatattatc cggatgaatcc tcgcaattat aggtaatccg 180
 cactttattg gaccctaacc ccaatggcaa atttaatttt cccccgttcc aaccatggg 239

<210> 25868

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A10

<400> 25868

cccacgcgtc cgaatcaacc cttagtggtc cgaaaggtgg tccggtggcc tggccgccac 60
 ggccagcatg gtgcccgggtg cggcctcggt cagcgcgagg cgcagccccg gcgcggcgcg 120
 ggcgtgggtg cccggccacg gcacgagcgc gtatgcggcg gccagccct ggcgcggcg 180
 cccccgtccc caacggcgcg aggcgtgttg cccctccgt ctgcgcgcga gcgtactgct 240
 ccggcagcgc ggtcccggcc aggcgcgggt gcgcggcctg gcgcggccct gacggctacg 300
 gttctggcgc cgcttcccggt ggcgcgggag tcacccgacc cagcggatct ggcacggact 360
 caactgtccg gcac 374

<210> 25869

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A11

<400> 25869

cccacgcgtc cggttctaga tcgcgagcgg tcgccctttc ttttcttttt tatatggtat 60
cggtcgcttt gaaaccatca aatttgatct cttccatat ttcacaagct gcggctagtt 120
cagcactcca tttgcaagct gctttgataa tttcattacc ttcactagca agatcgcgcc 180
cttcgttact agcttgtaga caggcttcta aagccacacg attagctgct gcaccagggtg 240
catttcccca aggatgtcct aaagttcctc caccaaattg taatacggaa tcactctcaa 300
agatttcggt catagctggc atatgccaaa catgaatacc cacagaagcc accggtataa 360
cacctggcat ggatacccag tcctgagtg 389

<210> 25870

<211> 396

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-047-Q1-K1-A12

<400> 25870

caggcgctca cgttctgcga caccatgtac atgaacacgc aggacaccat cggcgcgggcg 60
cagcggggcca tcacgttcaa ggacaccggc accgccaaga tcagtctgca gctcgccgtc 120
caggacttcg actcgtgcga cggccccttc acccaggccg gcgtcccca ccccatgggg 180
aagtttgaca aggagctcaa ccagatggcc aacaactgca tggctcttgc aaacatgata 240
tgaaccacgc atgcaacccc agcgtgaggt gccatcgcat gcaaggaatg cttgcattca 300
tttttcattt aattaagaat tcattgaaat tatgagttat atatattgag taactctatg 360
tatttgntcc tgacctgcac tatntattca atagta 396

<210> 25871

<211> 352

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A2

<400> 25871

cccacgcgtc cgcagtaatg ttgtaacttg aaaaaaata agatttattt tcattggaac 60
 aaaaaaaaaa aaaaaaata aaaaaaaaaa aaaagggcgg acactaatgc agatccaaaa 120
 ctaacataca caaacatgca aaaaaatagc tcaacattaa aaaaaaaaaa aagggaattc 180
 acttttcgag gatccacatt tacttccact ggcaacacac tggttatacc caatttaatc 240
 gcccttaaat ccattacccg tgtccgcagt ttgacatcat agcgactagg aaaacaccga 300
 acgacctaac ctaaatgcct tcaagctgaa tgcccatttg gacacgctct gt 352

<210> 25872
 <211> 367
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-A3

<400> 25872

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 ggaagctaag cctaggcgcg aaggcgctgt cggagggcgg cttcgagaag ctgtacaagc 120
 agacgttctc gtccagcccc gacgagcacc tgaagaagac gttcgcttgc tacctctcca 180
 cggccacggg gcccgtcgcc ggcacgctgt acctgaccaa cctgaacgtc gccttctgca 240
 gcgaccgccc gctctccttc gccgcgccgt ctggccagac cgcttgagc tactacaagg 300
 ttatgatccn ccttggcaag atcgcgacgg tggagccggt gacgatgaat gagagcccg 360
 cgagaaa 367

<210> 25873
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A4

<400> 25873

gcggagcgcg ccgaggtggc tcggtcgcgc aacctcgccg cctacgtcag cgggcgggtg 60
 gccgccacga accgcttcaa cgcggacgtg ctgagggcca cgacgcggcg ggcgctggcg 120
 aggtacgatg gcccgatgcat ggcgaccaac cccatcgacc ggtgctggcg ctgtcgcgcc 180
 gactgggcga cggaccggaa gcggctggcg cagtgcgcgc gcgggttcgg ccacaggagc 240

gtcagcggcg cggccggtaa gctgtacgtg gtgagggacc cgagcgacga cgagatgatc 300
 attcagcgga acggcacgct gcggcacgcg gtgatccagg accggacgat gtggatcgtg 360
 ttcacgcaga tcacgtgca gaacgtgcag gacgtgat 398

<210> 25874
 <211> 157
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A5

<400> 25874

agctgttcag tcagcttcta tagaattcga ttgagtcaaa ccattcaaaa ttaacataaa 60
 catataatcg gttgagtaga cgctatagta gtaatccgtc actttataga tcctaaaccc 120
 catggtcaac tttatcttcc cccgatacat acaatgg 157

<210> 25875
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A6

<400> 25875

acttactccc agggctgcgt gaatattttt cccaaacaga tgatattcat ataacggcaa 60
 ggattcctgc aatggagagc atggctgatg tgaatttagc acaaaaggac gagaagctta 120
 aagaagttga ctccaaaact aaaccagaag atcaacaaca agcagaaaat aaaaatatgg 180
 gaacaattga tgaagaatca gatgacgatg aggactatca tgttcctgaa gctgatatag 240
 aggtgaaatc actaacaat ctgacaatga agctaaacac acagatgagc ctccagaaaa 300
 aattgattta tcttgctttt ctgggatact tcatcatgat ccggatgaga aaagccgcaa 360
 ctgttggaac gtacctgata gcaagctttt caaagtctgt agcaggaaat tcccaaata 420
 caaatcgaag gtct 434

<210> 25876
 <211> 433
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-047-Q1-K1-A7

<400> 25876

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tcaaggatct tgcaagaac cccgtggatg ggttctccgc agggcttgta gacgatagca 120
acgtcttoga gtggcaggtc accatcatcg gcccgccga caccctatat gacggaggct 180
acttcaatgc aataatgacc ttccccaga actatccaa cagcccgcca tcagtaagat 240
ttacttctgg gatgtggcat ccgaatgttt atccggatgg gcgtgtttgc atttctattc 300
ttcatccacc tggatgaagat cccagtgggt atgagcttgc aagcgaacgg tggacaccag 360
tgcacacggt tgaaagtata gttctgagca tcatttcaat gctctctagt ccgaatgacg 420
agtctncagc aaa 433

<210> 25877
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-A8

<400> 25877

ccgaatcccc agaccaaatc gccgtcgccg tcgccgtcgc atcgacagcag cgggagtcgg 60
aggggtcccg accgaatcca tttgcagaca cccaaggcca agatccatcg ctcgttccaa 120
ccagccttct tcttcttctg cttggctcgc tgatctcgtt ttccattcgt gtccaatccg 180
atccagccaa ccgctgtgaa tgatggcgct caacctgtcc caccagacgg gcgcggccgt 240
ggcggcggca ccggcggcgc cagcgcgga cgtcgtcgcg gcggcggaca cggcgccacg 300
ctcggccggt gtcgccgagg cgggcaccgt ggcgccgacg cccgcgtcgg cgcccgccac 360
cgctccggcg ctccagct 378

<210> 25878
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B1

<400> 25878

cccacgcgtc cgcccacgcg tccggataaa attagtgaag agaaaatgct tagctgggca 60
gagattctgt gcaaatctta cccgccggag ttcgtctcat atttccacta ttgtcgtccc 120
ctgcgatttg aagacaggcc agattactct tcaatgaaga agctctttcg tgatgtattt 180
atacgggaag gataccaatt tgctcagcgc acaactgtgt gtcttgattt ttcttctgtt 240
tatcacggca ttagtgccat gccgttttat gttacagtgt tgtgtgctcg caagcatccg 300
aaaatatgcy tctgagttta gggttgggtc aaactgtgcy aatttggggg tctgttataa 360
tatgttgagc atgaataaag atggatgctg gtgactctgt cgccatcgcc gtccatcatg 420
agtgtcctgt 430

<210> 25879

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H3

<400> 25879

gaaacaagtg cacacaaata aatacatcgc tcactagatt gccaagagca atggcctgta 60
ggcatccat cctgctcgtc atgggtggtg tagctacgct attcgtgggt gggtcgtgca 120
ccaccccgct cacttccag gtcggcaagg gtcceaagcc cggccacttg gtcctcacc 180
ccaacgttgc caccatctct gacgtggaga tcaaggagca cgggtggcgac gacttctcct 240
ttacgtcaa ggagggtccg actggcactt ggacgcttga caccaagacc ccgtcaagt 300
acccctctg ca 312

<210> 25880

<211> 329

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-B10

<400> 25880

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tccaaaatta taaccggaag ggagaaatag gcgctcggct taacaatcta cacactaaca 120

ttcatcatct tattacaacg caacctatac aagttatctc ttaaattgaa tttaatagcc 180
gatcttatac aactgctgga actgaaaaac cacaacatca cccaccttaa tcaactgtca 240
gcaaatgggc atgaatccag attccctaca ctctagatg cccaatccca ataccttttt 300
caaaagatac tcatccaaac ttgctgata 329

<210> 25881
<211> 265
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-E7
<400> 25881

cagtggggct gctagaaagg tcttccaggt tgtacatagc aaggagggtg atgttagcat 60
gaatgcggtg tttgggcctg tgtcttgact gaaggcgcgc agcaaaaacta atacaaaaaa 120
tgcagtgttt gggcctaggg aatatctgat gaaaggttct ggcttcgtgc ccagtctact 180
gtgtaattcg tgtgactaga gtggtcgaca tgtgtaaadc gaattaccga gtgcactacc 240
taatcttctt tagtttcaaa aacaa 265

<210> 25882
<211> 410
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-046-Q1-K1-E8
<400> 25882

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agcccaaaac acacaagaac cttctactcg atgggggtcta ggggactcat ctaatttggc 120
atctggcctt gaggatgcaa acccttcata tccttatctt cctacagttc ttgaggaacc 180
tggttcttct ttctccgaag ctgcagagga tgatccattg ccaggcatag aagggttcg 240
aatcacaggc gaaccttttc ctggacaaga acttcaagca ggtggatact ccatcaatgg 300
taccacaact tgtaattttg agtgggtgcg ccatttagaa gacgggtcag taaatttcat 360
agaaggagca aagcagccta gctatgttgn tactgccgat gatgtggaca 410

<210> 25883
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F1

<400> 25883

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 agctgggtact gcggctccct tctggccgtg gccatcgcg tgttcctgtc cgtgtccctc 120
 ggcgtgcgcg ccgccggcgc cggcgccggc gtcgacatca aggtgtcgtg tgcagcgacg 180
 ccggaccccg acgtgtgcct acgcgcgctc caggcggaca gcgactccaa gaccccgcg 240
 gacctggcgg aggcggcgct ccgcgcggcg acgaccgcg gcggcgcggc gggcgactac 300
 gcgcggcacg agatggacgt ggtgaaggac aacgacatgt ggcagtgcct gaacgagtgc 360
 gccggggaga tcg 373

<210> 25884
 <211> 338
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F2

<400> 25884

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 ctccggcaag gacccacca aggtggaccg cagcggcgcc tacgtggcca ggcaggccgc 120
 caagagcadc gtggccagcg gcctcgcccg ccgtgcctc gtgcaggtgt cgtacgccat 180
 cggcgtgccg gagccccctgt ccgtgttcgt cgactcgtae ggcaccggca cgatccccga 240
 caaggagadc ctcaagatcg tgaaggagaa cttcgacttc aggcccggga tgatcagcat 300
 caacctcgac ctgaagaacg gcggcaacag gttcatca 338

<210> 25885
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F3

<400> 25885

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gctgttttcgc ctatgatcgt tgccgcccgtg gtgctggaca acaatggcgc tgacgcggtc 120
tcctgcactg ccatccctag cgtaacaata agcctagagg agaaagaaaa tatcaatggg 180
gatgttccca cgatcacctc ggccgcaagc aacgaggagg aggcgttggt cagtgtcggg 240
gaatccacca aggacgatgg ccatcgcttg acgatggaat gctccactcc cgtctcctcc 300
agtagccctt ccatcgcaa gaagcgcggg gcgttcagcc tcttcagggc gatgttcctg 360
tccttcggcc ggagcgacga cagcatgaag aatgacagac gacgacacca cgagccccc 420
gaagagagcc atc 433

<210> 25886
<211> 226
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-F4
<400> 25886

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gtcccttaat gaatccacgc tcctagacgc gtacatcgcc atgttcgtca ctgagtttct 120
ccgacagctt ggcattgctga gcagttcgct aaatgttctt cgtgctgaga atgtcagcta 180
tgatcggcct agattcagcg gtactgcgct cttaatcgac agggaa 226

<210> 25887
<211> 317
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-046-Q1-K1-F5
<400> 25887

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aaaatgttag gtctttttat gaagcctggg tgagcaccat cggctctacc caaaaactta 120
acctagttat ccagcatctt tctgatactt tggcatttcg caagctcatg tctatacctt 180
ggtttcttcc cagcccatcg tggtgggatg gtttgataca tggtcagaaa gcagatgtga 240
gaaaccatac taaaataata cgttgatgct gatccatttt tgggtcttgt taaaaaaaaa 300

cccttacaat cgaaaga

317

<210> 25888
<211> 231
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F6

<400> 25888

gtagttcata tggcggaagg aactgtgtg catgcatgtt ccatcgtgcg ggctcggttt 60
tctttgaaca caacacagat gtagcaggca tgagcgatcg tgcgatggca tggctggcta 120
acctgtctcg gatgctaaat gaaacccggg ttcctttctc aagtgttagg agcataacta 180
ttgtcacatc aatgggtcttg agccctaaat ttcatttgta ggtcgttaat t 231

<210> 25889
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F7

<400> 25889

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acgtggagaa aggtccaagg ggatgaggaa gtacaatgct atcgacaagt ggaataactca 120
gctgaagtcc atttaccaaa cattgtccaa cagagtttga tgagaaggat cgctgctgct 180
gcgtgcattg cacacctagc attgttgata gcctgttttg cggatttgag ggcaactgca 240
aagaactgtc tggtgacgct tgcgatagaa tcttgatct gggtaaagtt aatattgact 300
acgaggtcgt ctctgaatta aacaagataa tcaagcgact acaagcaaaa agaagtgaac 360
ctatgacaaa g 371

<210> 25890
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-F8

<400> 25890

<210> 25893
<211> 130
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G3

<400> 25893

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ggacgctaaa agtatgaact agttcttatg tacaataaat tactaattat atctaaaaga 120
acggaagaat 130

<210> 25894
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-046-Q1-K1-G4

<400> 25894

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tcatgacgtt catggacacc tgcacgcagc gcttcgtcga cgagaagctc aaggccgaca 120
tgcacaccgt gctgcgcaac gccaccgagc tcagcagcaa cgcgctcgcc atcaccaaca 180
gcctcggcgg gatcctgaag aagctggacc tcggcatgtt caagaaggac tcgcgtcgcc 240
ggctcctgtc ggagcaggac gaaaaaggct ggccagtgtg gatgaggtcg ccggagagaa 300
agtcctggc ggcgggcaac cagcctaaag cgaacgcggt ggtggccaag gacggcagcg 360
gccagttcaa gaccatncag cangccgtgg acgccatgcc caagggccag cangggaggt 420
acgtcatcta cgtg 434

<210> 25895
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G5

<400> 25895

gagaaaaagaa aaatgaatac aaatgtttct gtttctgaag atgttggttaa gaatgttgga 60
 gttaagaaaag gaggatccat ggaaggggag cttgtagaag gagttaggag gagcagcagg 120
 ttggagtcta atgatgaaat gaagattgca gataaggcag cagcaagagc aatggctaaa 180
 gatgcattca ttaacaaaga tcattttctaa cggctccttt taccattaag gagattaaaa 240
 aagtgggtttt cgagatgaaa cataatagtg ctctgtgtcc ggatgggtttt cctgcggaat 300
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<210> 25896
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G6

<400> 25896

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 acaggcgtcg tcgaatcaaa agaaaggaag aaacaaaatg atgtgtgggg tgggggtttg 180
 gtgcatggcc gtcgctgtta aaattcgaca caggacagtt gcgtaaatag acctagcgta 240
 atcagctgca caaacgaatg agagagcgag cgagggaagc aaaatctggg tgaggagatg 300
 aatagatgat gacgggagcg cagcgcggcc tggcagactg ggcctaggca gtaggcacct 360
 gctccgatcc ttgtgctctg ctgggcctag gcaccgccgc ggagtttggc catgttcctc 420
 ttc 423

<210> 25897
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G7

<400> 25897

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gaactctacg agctcgcgct cgttgccctgc catcccactt cctctctcca cctcgtcttt 180
 ggaagtctcc aaagcgattg tgcagtctgg caggacaacc tggaggattc ttgcgcgaac 240
 gagttttccg agcgcggagg gtgcgcacgc atccacagcg tgacctctcc taccgatct 300
 ggttctttgg atctcaaact actcagtctc cgccactgcg ccacaccacc gcgtcgcagc 360
 aatgccgtcg ccgcgacgaa agctgaaggc ggctcgtac gag 403

<210> 25898
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-G8

<400> 25898

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 tccatcgctt gctgcccgc gctatcacgc tcgtcgtcgt cgtcgccgcc gcaaggtaac 180
 aagaagaaga agcagaagca gtgccctgcc tacttcgctg ccatccaccg ggacctggct 240
 ccgtggcgcg ggcagggccg gggcgtagc cgcgcgctcc tggacgaggc gcggcgggcg 300
 gcgtccatgc gcgtcaccat cacgggcggc gggcgggcg tgacgtgga cctctactac 360
 gcctgcgtgc agagccgcgc cctgttcacg gtgtggagcc tgctgcagct gatgcggctg 420
 ttccccgggc gcgt 434

<210> 25899
 <211> 428
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-E6

<400> 25899

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 aaggatggat cacaattccg tgcaaggcac ttctgaaag ttggaacgac atatcagaaa 120
 tggttcagtt gcaggctctg gaccgttcct tcctttttcc agttatcagg cgagcagggt 180
 cctatactgg cgtgcctgtc agcttctaag caagatgtac aggttatatc cccctttaga 240

attgccgcag taatgtctaa gaatggaact tctatgcaaa actttacaaa taaatctagc 300
 cctgtcagtg caaatgggtca tgataatgga gcagctggag aaagtggcta tgaggatggt 360
 gaacccaatg gtgaagcatc tncctcagga catgatattt tggagactca atctctcctt 420
 cagatgga 428

<210> 25900
 <211> 136
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H1

<400> 25900

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 atctggatga tgactt 136

<210> 25901
 <211> 385
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C4

<400> 25901

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 ggcaacgggt tcatctgcaa gtcgatgggg ttcgtgaaca cggcggggcc ggagggggcac 120
 caggcgggtg cgatgcacgt gcagggcgac aagtcggtgt tctacaactg ccggttcgag 180
 ggggtaccagg acacgctgta cgtgcacgcc aaccggcagt tcttcgcga ctgcgaggtg 240
 ctgggcaccg tggacttcat cttcggcaac tcggcggcgc tgttcagaa ctgcctcatg 300
 acggtgcgca agcccgtga cagtcagtcc aacatggtga cggcgcaagg gcgacagac 360
 cccaacatgc ccacaggcat cgtgc 385

<210> 25902
 <211> 399
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C5

<400> 25902

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aagaagcttt cctacaggaa ggtcgtccgg ctgcgctcgc acctcgccag agggctgagc 120
tacctgcact cgaagaaggt gatgcaccgc gacgtgaagg cggagaacat gctgctggac 180
cggaagcgga cgctgaagat cgccgacttc ggcgtggcgc gcgtggaggc gcagagctgc 240
gaggtgacgg ggcagacggg cacgctgggc tacatggcgc cggaggtgct gcaggggaag 300
ccgtacgacc acaagtgcga cgtgtacagc ttccggcatcc tgctctggga gacctactgc 360
tgcgccatgg cctaccccaa ctacagcctc gccgacatc 399

<210> 25903

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C6

<400> 25903

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tcgttgagc ccatgtacgc gcaggtcgag ccgtacgact ccgggttcct caaggtctac 180
gatgtgcaca ccatctacta cgagcagtcg gggaaccgc acggccatgc ggccgtgtgt 240
ctccacggcg gtcccagagc cggcacgtcg cccgtcaaca ggaggttctt tgacctcgag 300
ttctacagga tcgttctgtt tgaccagagg ggtgcaggca gaatcactgc caatgcttgc 360
ttagagcaga aactacttg cgacttggtt gctgacat 398

<210> 25904

<211> 263

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C8

<400> 25904

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aagccagtac aaggaccatg gtaattggat cgagattcta cgtgt

405

<210> 25907

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D4

<400> 25907

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tttttggact acataatttt ggcacaaagc aggtgtacaa ggttaaactt tttaaaactt 120

tcatctatct gtttcgggat agtttgggtgt gtgggggggt ttgtctcgat cctttgtgct 180

actgcaacat ttggtcactg gacatcgtga atgagctaata tttaaacata tgaaactgta 240

ttacacatgc catgacaatt gatgatcaat gctaacc 277

<210> 25908

<211> 378

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D5

<400> 25908

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atccgcgcag ggtgaccctg gcgcgcagga cgggacgtcg tggatctggt gtccggtccg 120

ccattggccg tggcgacgcc gtcagtcagt aagtgcgcgg tcctggaatg gtatagagct 180

atcgtaaaaa taagttctgt tttttttggt ggctgtagaa ttgggaaaga ggctgttggt 240

tatgagggag gatgaatggg gaattgaaag cttgtaaaga gaattcctac agatttggtc 300

gttgatctcg ttaaaactata cttgctgaca gttcaagaat aaatgatgag ctttcacctg 360

aaaaaaataa ccatggtt 378

<210> 25909

<211> 260

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D6

<400> 25909

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ccgctgcggt cagtgtaggt ttctgaatca tagcttggcg atgcctgagg ctagacaaat 120
actgagctag ccttcagaaa aaaagagaaa agaaagagat tgagaagcag ggagaaaaaa 180
tggcactggc ccattgagga agcttgagaa ccagttaaca agaattgcc acaatattctt 240
ggacaatctt gttaacatag 260

<210> 25910

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D7

<400> 25910

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aattcagatt gaacgtggct gcatcatttt tcctttcatt ggtcttttca gcaacagcga 120
tccattctcg tgggagggag agagagagag agagggagag aatcaaaga ggagagtgat 180
catggagcat gtgattggag ggaagtataa gcttgggagg aagattggga gcggatcctt 240
cggagagcta tatctcgggtg ttaatatata gaatggagag gaagtgggaa taaaattgga 300
gcctgtgaaa aaaaaacatc cacagctgca ctatgaatct aaagtttata tgctgctgca 360
gggtggaaac ggtatccac acctcaagtg gtatggtgtt gagggggagt acaatggta 419

<210> 25911

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D8

<400> 25911

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agatttcaact acttctgcgg ggtgtcacag tcttaagatc atggtgtttt tatgtctcaa 120
acatggtcgc aattgtgaca ttaggtagat gggagatttt tgactgagtt ttcgtgtttt 180
gtgagcgaag tcaaggtagg aatgatgtc cgagagtga gagcatggct cgctcctaga 240

caagatcaac ggacagatc

259

<210> 25912

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E1

<400> 25912

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ggaaattctg atcgagcgtg gctgtatcat tagttctttc attggtctat tcagcagcag 120
cgatccattc tcgtggaagg cagagagaga gatagaggga gagaaattaa tgatgagagt 180
gatcatggag catgtgattg gacggaagta taagcttggg aggaagatcg tgagcggatc 240
cttcagagag ctatatctat gtgttaatat acagaatgga gaggaagtgc gaatcaaadc 300
gtagcctgtg aaaacgaaac atccacagct gcactatgaa tctaaagttc atatgctgct 360
gcaggatgga aacggtatcc cacac 385

<210> 25913

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E2

<400> 25913

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cgacaccgcc gcgtccggcg cggcgggcgt cgctccttc ctgtcctgcc accgcaaccg 120
ctccttcggc cgcgcgcgcg cctccccgtc gcgcagcgcc ggcgccagcg ccagcgcctc 180
agcctcagcc tcccacttcc gctccctctc ctggagcgtg tcccgcacct ggtccgcccgc 240
gcgccagctg caggccattg gggccggcct ggccgcgccg cgcgcgcacg agccgggcct 300
cgccgtcccc gtctactcca tgggctgcgt gctgcacctc accgcgtggg cgctc 355

<210> 25914

<211> 111

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E3

<400> 25914

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aaaatgacag acatccgaca gctatattat gttcgacggg gtaacaccct g 111

<210> 25915

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E4

<400> 25915

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gcatgctttc catggatggc tcacaggggg ctaatgccct acatacagac aatctttcat 120

gtccatacgg tctacatcac tcatctactt agtcatctgg cgttcgctct ctagcactaa 180

tattcttatg cgtgtatagc tacttgatga atctgatata gcgtcatcca aatccacttc 240

agtggccgca ttttcacatc ttcatggatg tgaaatctct ggcgaacctc aacttaatcg 300

acttctacaa gatcgcaactt actccatctg tgggtactaca gctcatactt gtactgatcg 360

gcgttactta cagtacggca ccttgaatgt catatagcga gcgcagtata ctagctcttt 420

agtcactgc 429

<210> 25916

<211> 405

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-E5

<400> 25916

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ggcgctcatc ttcgtgaccc ggtcccggag ctggtccttc gtggagcggc ccggcgcgct 120

gctggtgatc gccttcctgg cggcgcagct ggtggcgacg tgcacgcccg tgtacgccaa 180

ctgggagttc tgcaagatgc agggcatcgg ctggggctgg ggtggcgcca tctgggcggt 240

cagcgtcgtc acctacttcc cgctggacgt gctcaagttc gccatccgct acgcgctctc 300

cggaaggcc tggaacaaca tcaacaacaa gacggccttc accaaccgca ccgactacgg 360
caagggcgag cgagaggcgc agtggggccac ggcacagatg acgct 405

<210> 25917
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C3

<400> 25917

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tggagactga catctcttca tgcggaggcg gcggcgccca acagcggggt ataggacctg 120
tggagggtgca agcggcgacg gcagcactgc ggcggtcaga ggtgttccac gtcttgaagg 180
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aaaatgaatt tgcaagttta aaggaggaaa tgacagaaat ggcattacaa ccagctgaac 300
tcaaaccatc tgatcggaga aagtacaaca caggaatac ggaggttaga cgtagaataa 360
agaagcacga gaagttgatg aatggcatct ctaccttact c 401

<210> 25918
<211> 464
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H9

<400> 25918

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atccgctact actacttcgt catgtctact acctttgata taaaattttc acctcctggc 180
tactacggat gatctggatt tctccgtcgt ttcttgctgg aaatcttaat ttaataatgt 240
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gaatgtggcc accgcctcct ctacaagaag cggaaccgtc ggattgtcca atttgaagca 360
cgctgaagag tgacgacagg ggaaaaacac tggagatggt tgatctatta ctgcgacctc 420
acctatgtaa agagtcttgt gagggaaatg aaagtgtcag acat 464

<210> 25919
 <211> 141
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A1

 <400> 25919

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 ttgcatgcaa atgatttata g 141

<210> 25920
 <211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A2

 <400> 25920

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 ggtgccgccc ggcccccaaca tcaccaccaa ctacaacggc aagtggctca ccggcagggc 180
 cacctggtac ggtcagccca acggtgccgg cgctcctgac aacggcgggt cgtgcgggat 240
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 caaggacggc aagggtctgt gctcatgcta cgaggtgaga tgcaaggaaa aacctgagtg 360
 ctcgggcaat cctgtcaccg tgttcattcac agacatgaac tacg 404

<210> 25921
 <211> 329
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-A3

 <400> 25921

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ggcggcagct attccacccc gagcgaggcg gcgccatcca cgcctgccgc tggggagacg 180
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gccgctgagg agacgacgac gactgcttcg tcaggcggcg gcggttacgg cggtgcaacc 300
ggctaggctt cctgacgcgg cggcggact 329

<210> 25922
<211> 377
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A4

<400> 25922

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gtccaagaaa cccaagtatt ccaagtttac ccagcaggag cttccagcat gcaagccaat 180
gttaactcct ggaatcgtea tcggtgcttt ctcgctcatc ggtgtcttct tcgtcccgat 240
cggcctcgct tcgctatccg cgtctcataa catcggttag gtgatagatc gatatgacgc 300
cgagtgtgtg tccgccaaag acaaggtcgg cttcatccag gacgccaaga ccgacaaggc 360
gtgcacaaga aagatta 377

<210> 25923
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A5

<400> 25923

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gcgccgtcgt cccggtcggg ccgcctggcg ccgttctgcy ccaacgccac cacctctggc 180
cgcgtcacca tgtccgcgga gtggatgcc gccagccac gccctgcca cctcgacggc 240
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<210> 25924
 <211> 407
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-A7

<400> 25924

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 agcgtgctgc tccttttgaa ggggaacgaa gaaacctcat ggaaccttct gataataata 180
 cttccaatgc tgctgctgct gctgctgctt ccagttagtgc aactgcttct cggacaatca 240
 cagtggacga ttctttgcca tcaacctccc tccaaatcag gttcgcagac ggcagtcgct 300
 tggttgcccg tttcaacaca agccacagga ttagtgacgt gcgggcattt atcgacgcga 360
 caaggccagg agccagtgat tacacgctgc angccgggtt cccccc 407

<210> 25925
 <211> 106
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-A8

<400> 25925

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 aacaggggat tgtccgggat caagctgatc agggccaacg ttttac 106

<210> 25926
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B1

<400> 25926

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 tccaggttgg tgcaacgcat aactgacaa gctgactttt tgccagattc tcggagagta 120

cagaatggag ttaccagagt acaacacgat tgaaccttat gcgaaaatga acgagaactg 180
 tacagccttg cccgcaacgt acaaacgagc cagacgctgc tgactacgag attgtctact 240
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<210> 25927
 <211> 379
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-046-Q1-K1-B2

<400> 25927

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 acccagttcc agaagtcgga gcacgacgcg gagatcaacc actccctgcc cggggacgcc 180
 • ttcgacgcg tggcgcgcg caagctggcc ctggagctgg agtgccccgg ggtggtgtcc 240
 tgcgcccaca tcctcgcaact ggcgtcgggc gtgctgatta ccatgaccgg cgggccccgg 300
 tacccggttc cgctggggcg cagggactcg ctgtcgtcgt cgccacggc gcccgacgtg 360
 gagctgccgn acgccaact 379

<210> 25928
 <211> 338
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B3

<400> 25928

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 tcctcgccgt ggcctcaccg gctgctctgg ccgccttcga tgtgatagag atgctggccg 120
 acaagcccac gtactccacg ttcctgaagc tcctgcagga caccaaggct gcgggcgagg 180
 cgaatcagct ccggtcggcg acgctactgg tcgtaccgca caaacttgcc aagcctctgg 240
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338

<210> 25929

<211> 381

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-046-Q1-K1-B4

<400> 25929

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cgccgcctgc cgtgggaggg agaagaggaa gaggaggcgg aggcggcgga gatggcaccg 120

gtgtcagcgc tcgccaaagta caagctcgtc ttcctggggg accagtccgt cggcaagacg 180

agcatcatca cccgcttcat gtacgacaag ttcgataaca cctaccaggc tacgattggt 240

attgatttcc tgtcaaagac aatgtacctt gaagatagaa ctgtgagact ccaactctgg 300

gatactgctg gtcaagaaag attcaggagt ttaattccaa gctatattag agactcttca 360

gntgctgtca ttgtattcga t 381

<210> 25930

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-B5

<400> 25930

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gggaggcagg gaaagaatcc aaacatggcg aagcgaagaa gccagagaag gactcaaaag 120

atgtaaaaac gaaagagaat gcggcaggcg aagagtcgaa agacgcggaa gtgaaagaaa 180

aggcagtcaa ggacccaaaa gatgtggaaa tggaagggat ggcaggaaaag gagcccaaag 240

atgtggaaaa gctggatggc catactttga gcaacgagga atcagacaac gatactctta 300

gcgtgtggaa aaaacgtaca gcaaaagcaa catagtcttg ctttctcagc tgaccattca 360

tagtaggatt tgcagatttc acaggcaggc aaacgttcgg agatgtggat atc 413

<210> 25931

<211> 404
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B6

 <400> 25931

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 tcggcatatc cgccactaca ctagacgagc aaactactgt ggatcatgag gccacgcaga 120
 tagaagtagc tgagcaggag ctcatgaag gaaagctagt gaacgactac cttacccgaa 180
 aggggcaagg gcagtaggag agtgggttagt gtagggaggt ccttgggttg attttgctgc 240
 gatggcggtc aggcgagggg tctctgcact ggagcttctt ataaactgta gcggattatc 300
 tgaagctagt ggaactatgt aaaggcctcg tagcgtgacc ctgcctcgcc tctcggtag 360
 aggtgtatgg gattggctgt ctcttggcac atgggtaaca tgac 404

<210> 25932
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B7

 <400> 25932

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 ggtcgtcgat gcgggcacag gttgcgatgg ttgtggcggt ggtgttcttg gtgagcggcg 120
 catggtgcgg tcttcccaaa gtccccccag gcaagaacat cacggccacc tatggcaagg 180
 actggctgga cgctaaagcg acatggtatg gcaagccgac atgtgccggt cccgacgata 240
 acggtggcgg ctgcgggtac aaggacgtga acaagcccc cttcaatagc atgggcgcat 300
 gcggcaacat ccccatcttc aaggatggtc tgggttgtgg gtctgtcttc gagatcaagt 360
 gcgataagcc t 371

<210> 25933
 <211> 89
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-046-Q1-K1-B8

<400> 25933

cggacgcgtg ggcggacgcg tgggctgacg cgtgggtgaa tttgagggtg taaaaggtct 60
tctccaaata ccaaccaaatt ttaggggtt 89

<210> 25934

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C1

<400> 25934

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ggataagact ttccgcggac gcagaggcgg aggctacggc gggttggagg ccggtggccg 120
aggcggcggc ggctattcca ccccgagcga ggcggcgcca tacacgcctg ccgctgggga 180
gacgactacc ccttctctcag gcggcggtta ctccactgct agcgtggcgg cgccatccac 240
gcctgccgct gaggagacga cgacgactcc ttgccaggc ggccgtggat accgcggtgc 300
aaccgcgaag gcttctctcag gcggcggtg actggacccc ga 342

<210> 25935

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-C2

<400> 25935

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caatctttct taatctatat ggattggtgt aaccgaacaa gcacaaatgt gatctacttt 120
tacaaaattc gttcatggga gcacgggaaa aaaaaggaat tcccacacca tggagactcc 180
aagaagaatt gtgcgcatat gcatgttcta agtgctcgtt cggatccagc agttgccctt 240
gcgccatcga tccttgccga tcccggcctg ggccctgcgc agccgggcct tgtagtcctt 300
ggcccacgcg cggagctgtg ccttgagctt cttgaggtcg gcggcgg 347

<210> 25936

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H8

<400> 25936

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ggccggctgc atccatggcg gtggccttcc tgctgctggg attgggtttc ctccttggcc 120

tcctctccct ggcgatcgcg gaggggctgg cgctcctttg ggccatccga agcctcacgc 180

gccgcacatc ggccctcacgc agcacgccgc cgccatcact ccccatccac ccgacgccgg 240

cgcggtctgt gtctcgccac agcctcaacc gacaggacac ctcatttcat ccatccactg 300

ctgcagtatt ccacacgttc acgacctgta ccttaacacc tttcccatte tatctacgag 360

taaacagggc ttcttatgga tgctggagca acccaaggat agcagcatca atggcgctag 420

cccagggatc agagacagga agctcctcgt cgaggttt 458

<210> 25937

<211> 220

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G2

<400> 25937

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tgctcgccgg ctacctgccg ttccacgacg ccaacctggt ggagatgtac acgcatgac 120

agcagagccg acgtcaagta cccgcagtgg ttctcccctg agctacggcg gatgatgccc 180

aagctcctcg aaccgaaccc aaagctcagg atcacgatcg 220

<210> 25938

<211> 358

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-G3

<400> 25938

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ccccgcgtgc tctctatctc tcccctcttt ctctccctct gcccgacgac taggccgccc 120

ccgtcaccgt cccgccgacg tcgtcggcgt cgtgcccagg tctntgtcgg tccttgttcg 180
gcaacgagca ccctacagat ggctgggagg cacagccata ttctgatgca gccatctcaa 240
aataaggctt ctagaacatt tatggattac aattcgatta atcatgcctt ggatggaatc 300
tgggggcctt atggaaagga aattaagggt tttaacccaa tggccccaa ccttacct 358

<210> 25939

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G4

<400> 25939

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gtactgtcaa ccgactcctt cctcaagcac actgatgtgg ctatactgct ggacaatgat 120
gccatctacg acatctgccg acgatccctt gacattgagc gccaaccta caccaacctc 180
aacaggctag tgatccagggt catctgatac cttactgcct gcctgaggat cgatgggtgct 240
ctgaacgtgg atgttaacga gttccagacc aacctggtac cctacccgag gatccacttc 300
atgctttctt cgaacgctcc aatcatgtct gctgaaaagg cctaccacaa gcagctttt 359

<210> 25940

<211> 295

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-G5

<400> 25940

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cctgcctgat gggctagagc ccggagaatg gacttaccta ctggctgtta tgactgaagc 120
tcggagaccg cttgggaggt gtacggcggt catgtacctg cgcctcacgt cgatgacatg 180
gacagattga ataaactgct cacgggcttg gtgaaacagg agaggtagca tgacaagcac 240
tgcttgggag acttgacctc agtaagatga ttctggctgg nggccgtaga ttaca 295

<210> 25941

<211> 448
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-G6

<400> 25941

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gtcatagcaa cagccatgaa aaagagtcag gtgcagtttt ttcaaatagc tttaacatgg 120
ccccatcagt gacacctacc tccccttttc aacttatgtc tccaagctca accaactaca 180
cttccactca aatcttcgag gaaaccaaca atttagagga cacttcaaga gtctttggag 240
gtggggataa cgaaagcaac aacagtgagg aaccggatcc caagccggct gtggagatgg 300
aagacctaaa ccaaggcaat gatcatactt cgaataaaac agctaactgt caagattacc 360
gtatggctct gcgcaaggac ttgacataca gtgatgttgg aaacattgga agaatcgtgc 420
tgccaaagaa agatgcanag cctaacct 448

<210> 25942
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G7

<400> 25942

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ggtacttctt tttgccaaca cgaacattgt aatcctgtca tggtagctgt tgcagacact 120
gtttgaacta acattgtctt aaacagattc tgtgcaaadc ttaccgccc gagttcgtct 180
catatttcca ctattgtcga tccctgcgat ttgaagacag gccagattac tatccaatga 240
agaagctctt tcgtgatgta tctatacggg atggatacca atttgattac gcatttgact 300
ggactgcact caagtaccct taaatgggct ccaacaacaa gctagttcaa caaccaagtg 360
caagaatggc ttgggttgga ccatcagttg agagaacaga caaagcttac atggggc 417

<210> 25943
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G8

<400> 25943

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ggcgtgatgc tgaaggacaa gatgtgcttc tgtttattga caacattttc cgtttcaccc 120
aggcaaattc tgaggtgtct gctcttcttt gacgtatccc atctgctgtg ggataccagc 180
caacccttgc cactgatctt ggaggactgc aagagcgtat tacgacaaca aagaagggtt 240
ctattacgtc tgtccaggct atatatgtgc ctgctgatga cttgacagat cctgctcctg 300
ctactacctt tgcccatctt gatgctacaa ctgtgttgct acggcagatc tctgagctgg 360
gtatttatcc tgctgtcgat ccaactggatt ccacatcaag aatgctttct cccacgtgc 420
tggttgagga tcattacaat actgttcg 448

<210> 25944

<211> 256

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G9

<400> 25944

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aagagagagc agctgctgct catgagagaa gacaaggact atgccatact tgtagatatg 120
atccacgctg cgcttctgac cattaccttt ttgcgtactg cagatagaag ataatcgcac 180
gatgacgtag caactgaact gacatctgca tccgaactat ctgaagtacg cctaggaatt 240
gcagacacat tcttag 256

<210> 25945

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H1

<400> 25945

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tggcgtgacc atcctccggt ccgagaaggc caaggatgag ctcatccttg acggaaacga 120

cgtcgagctc gtatctcgct cgcgcgcct catcaaccag aaatgccatg tgaagaagaa 180
 ggatatccga aagtttttgg acggtatcta tgtgagcgac aagggcgta tcgaagagga 240
 gcagtgagcg acagtgtagc cgaaatgcc ggagatgaat atgaatgtcg tttgagttgc 300
 aattttgca gactgaatgt gaacctttt ctcattcctt aaatagttga c 351

<210> 25946

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H10

<400> 25946

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 tatatgctca ggtgtcaatt ctaaggatac accacatata tcaatatgac aatcatccac 120
 tcatccgcta ctactacttc atcatgtcta ctacctttga tataaaaattc tcacctactg 180
 tctactactg atgatctgca tatctacgac gtttcttgct gcaaacttta atttaataat 240
 gttctgcttc agattgcgga gctgataaca ccgtgaagct agtagacgtc atccattgcc 300
 gttaatgtag ccaccgcac ctctac 326

<210> 25947

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H11

<400> 25947

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 cggctgcgat gagaagctca actcctccgc gggcgatttc tccactcgcc tgcaggagaa 120
 ctccatgaag atcaaggag tgctgaacca catggagcac gaactgtttg ctgttgacgc 180
 tgttatggct ggccatcaa tactcggatt cttgttctcc gtactgaggt tgcggatgct 240
 tgtctcccta ctggtgatcg ctgctcgat cttctcacc aataccatca tcaggctctgg 300
 tctgttgcta ctgttgaca tcgtggtggc ggacacgtgc gtctcgatgg gcgattgcgt 360
 ggcgcaccac gacgcgcaca cagcgctgga cgacatcgct ccgtgcgtgg acgtggtcac 420

cgctaacgag tcgctgtacc ggagccagga ggtgacgt

458

<210> 25948
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H12

<400> 25948

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atatcggtt tggttctcaa cccaagtata cagcacaca tatcaaacag acactcacc 120
aataactcca tactactaca gggccatgtc tactaccctc gacataacat tgtcacctgc 180
tacctactaa tgatcaactc catatctccc accatccttg ttacaaatct caacttaata 240
atgctctgct tcacactgcc gagctgagaa cacagtcaat ctactacacc catcacactg 300
ccttgaatgt agccaccgca tcctctacac taaacacact cgtccaactc tacaatctaa 360
agcacgctgc acaatgacga cccacaaaaa acactcgaca tggctgatct cttactcgtc 420
actcaccta 429

<210> 25949
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H2

<400> 25949

gaacgactcg gcattgggag atttcgctga gcactcgcca ttcgggagca gcaattcgct 60
gccagagttg ggaccagatg gcacacaaga tctagccttc taccaaagaa gcagccctga 120
acagcaatgg agctgggtccg ggtctgttgc aacagaggat tccgatgact tcgagggttc 180
aacgaattgc tcgtcagatc tggattgcgt gagaccatct agtgcccaa aagcttctgg 240
ttaacaaac ggagggggct cagctgcaag aaagtcccaa ctgaagggtg caaaaagttc 300
agacatcata ggaggggaatc ctgcaaaaaa gtcacgtcgt ttacagaaaa agct 354

<210> 25950
<211> 412

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-H3

 <400> 25950

 acggacgcgc agtcgcccac tccgcatctc gccctcccgt cccgtcccgt gccgtacgtc 60
 cgtgctccga ttggccgccc cccgcctcgc cctcctcgtc aacaaaagcc caccggaagc 120
 gagcgagcga gccaccctcc cgcgcggcga caccgtcccc gtcccagacac taccctcgact 180
 cctactgacc gccggcggtgg ggtgcccggg ctccaccttc ggcgacgaca ccgttcccgc 240
 cgcgcgcgcc ctacccgtct gctccgtttg cgggggtagc cggtgctccg gcctcggcag 300
 ctcttaaagc cccctgcctc acaacaagat ccaaaattcc gtactagact tcttctacct 360
 ccccttccag aactttctct tttggcatcc cggacggctg atctcgaccc cc 412

<210> 25951
 <211> 212
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-H5

 <400> 25951

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 actccggccg gcgacgcggg ggaaaatggg gaagacgccg gtgcggatga aggcggtggt 120
 gtacgcgctg tcgcccttcc agcagaaggt gatgccgggg ctgtggaagg acatcaccac 180
 caggatccac cacaaggtca ccgagaactg ga 212

<210> 25952
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-H6

 <400> 25952

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 attcccgcgc ccgctccatc ccgtaacgcg acaccatgag ggagtgcatt tcgatccaca 120

tcggccaggc cggatatccag gtcggaaacg cgtgctggga gctgtactgc cttgagcatg 180
gcattcaggc tgacggtcag atgcccgggtg acaagaccat tgggggaggt gatgatgctt 240
tcaacacctt cttcagttag actggtgctg ggaagcacgt gccccgtgct gtttttgttg 300
accttgaacc cactgtcatc gatgaggtga gaactggcac ctaccgncag ctcttncc 360
ctgagcagct catcagtggg aaggaagatg cagccaacaa cttttgcccg tgtcactaca 420
ccattggc 428

<210> 25953
<211> 187
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-H7

<400> 25953

cccacgcgtc cggacgccat ctgcaagagc cacggaacac caccagatga gaagattgcc 60
atcaccaaag ctattataaa tgtatcgaat ggatccaagc cccactctt tgctggcatc 120
atagcacttg tgatgagcat cgcaacgatg gtccgtctga cccgcagcat gatgcctgtg 180
aaggttc 187

<210> 25954
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G12

<400> 25954

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aggcttgtgc ggtggcattg gcgtgcatgc tgatggatg ggatcatggg agtttggagc 120
tgctgtggaa cacccttcca aagaagctga cttgtggtgt caatgccacc tgataccttg 180
aacagaaaacg actctttcct aggctggcgt gtatccacaa atctgtcgtc acatacacat 240
cacgtacgag aagtaccatg gaaattgtgt atactacagt tgtttcatca gagaggattt 300
tacgcaatga ctgtcacgcc ggagactaca ttat 334

<210> 25955

<211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E9

<400> 25955

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 ccggggcctgg tgggtccttc gacatcacca agttgggctg cttcggcaat ggcaagacag 180
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 caatcctcat acccaagggc gacttccttg tcggacaact caacttcaca ggcccttgca 300
 agggcgacgt gaccatccag gtggatggca atctgctggc gaccacggac ctaagccagt 360
 acaaggacca tggtaattgg atcgagaatc tacgcgtgga taacctgggc atcaccggca 420

<210> 25956
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F1

<400> 25956

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 ctctctctcg tcgccatggg cgcagcaccg atggccgagg caaagtccgt cgatgcccct 180
 gtggctgacg cgccagccga tggacctagc gggccatctg ctgcacctgg ccccagggt 240
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 cgtcggcccc gttaaatttg gaacacgaca tggaagacaa atgagagcaa tgtctttaag 360
 accatgataa tgtgtgggtca ttcactcatc catggataca tccttgctct gcctctgttt 420
 ctttctgtac gatcatcaat gtgttatcat gttgttagct aactgtatcg act 473

<210> 25957
 <211> 447
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F10

<400> 25957

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ggaaacacca tcgccgtcca agctgacatg ccatacagt gctgtcatc gttcggaaca 180
gcatttttgt ccaagttcga atgttctcag atgccacatc cactgttaga gcacgtgacc 240
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ttcaccggag tcacgtcgtg gtttgcgggc aagtgcgacc tcatecttct cctgtttgat 360
ccgcataagc tggacatcag cgatgagttc aagcgtgtga tcgggtctct ccgcgggcat 420
gatgacaaga tacgcatagt tctcaac 447

<210> 25958

<211> 414

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-F11

<400> 25958

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gggggggacag gaaatcagcg gccatggcct cgattccggc gacgaccttc gccgtcatct 120
tatccgtcct cttctgtgcc gcggctggca ccgccgtcga caacgacctc cccgactacg 180
tcatccaggg ccgcgtctac tgcgacacct gccgcgccgg gttegtgacc aatgtcaccg 240
agtacatcgc gggcgccaag gtgaggctgg agtgcaagca ctteggcacc ggcaagctcg 300
agcgtcccat cgacggngtg accgacgcga acggcacgta cacgatcgag ctcaaggaca 360
gccacgagga ggacatctgc gaggtggtct tgggtggagag cccgcgcaag gact 414

<210> 25959

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F12

<400> 25959

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gcggcagcga taccggctcg acccgggacg cgccggcggt gcggtccccg cgcgcccgct 120
gggcgctgtt cgtggaggag tcgcggaggc tgtgggcgat cggcgcgccc atcgccctga 180
acatcatctg cctctacggc accaactcca cgacgcagat cttcgcgggc cacatcggca 240
acctggagct ctcggcgggtg gccgttgccc tctcgtcgt ctccaacttc tccttcggct 300
tcctcctcgg gatgggcagc gcgctggaga cgctgtgcgg ccaggcgttc ggggccggcc 360
aggtgtccat gctgggcgtc tacatgcagc gctcctggat catcctcgcc gccttcgccg 420
cgctgctcac gccgctctac gtgtacgc 448

<210> 25960
<211> 261
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-045-Q1-K1-F2
<400> 25960

cggacgcgtg gggacgttgg caagagagga gggccggcgt cggcgtgcct agctcgatct 60
tgaaccatag ctagccagca tggcgcccag cagcagcata gcagtactgc tgctcctcgt 120
cgtcgccgtc gtcctctcca acgtcccctc ctcgggcgcc ctggcctcct cgtcgtcgtc 180
tctgctgcac cagtcgtctc cgtctgagag tgagactgag accgacagta gcagcggaga 240
atcttcgtcg tcgtcgtcgt c 261

<210> 25961
<211> 455
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-045-Q1-K1-F3
<400> 25961

cggacgcgtg ggcggacgcg tgggaagcaa gaaaactaga aaaggctcct ccgcaccgca 60
gcgccccctca tctccctcga ccccgacatc ccgcaccga tggcgcccaa ggcggagaag 120
aagccagcgg agaagaagcc ggcggccgag gagaaggcgg agaagacgac cgcaggggaag 180
aagcccaagg ccgagaagcg gctgcccgcg tccaagtcct ccggcaagga gggcggcgag 240

aagaagggga agaagaaggc caagaagagc gtggagacct acaagatcta catcttcaag 300
 gtgctgaagc aggtgcaccc cgacatcggc atatcctcca aggccatgtc catcatgaac 360
 tccttcatca acgacatctt tgagaagctg gccggcgagg ccgccaagct ggcgcggtac 420
 aacaagaagc ccaccatcac gtcccgcgag atcca 455

<210> 25962

<211> 451

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F4

<400> 25962

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 aggattccaa catgatcccg cgcaagcccg tcgaagcagt ggtggtgggt aagggttaagg 120
 tggccaagga taccgtgtcc gagtcacctg ctccaagccc cgcccccgtc tccgcccctt 180
 agttgcggtg tgggcgcgcg tgcgcgcg cgccccggcca ccatgcgtcg tgtctgcgcg 240
 cgcacgcacg cattgaacgg gagatagaat atgggtatcgt tcaatgcaga ttgccatgct 300
 atagctccag agtttatcta cctggtagca ccatgacacg atggcccgtt cgtatcttct 360
 ggcttgctcg tacttttcag ttccatggtt ttacaacacc ttttactccc agcagaaaat 420
 ccttaatatg catgtactcc tctttttttc c 451

<210> 25963

<211> 455

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F5

<400> 25963

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 ggacgaaccg acctcacact attgatcgag gatgtcgtac gcctacctct tcaagtacat 120
 catcatcggc gacacaggcg tggggaagtc atgcctgctg ctgcagttca cggataagcg 180
 cttccagccc gtgcacgacg tcaccatcgg cgttgaattt ggcgcccgcg tgatcaccat 240
 cgacaacaag cccatcaaac tccagatttg ggacacggct ggccaagaat cattcagatc 300

tattactagg tcatactaca gaggagctgc tggagccctt ttggtttatg atatcactag 360
gagggagacc ttcaatcacc tcgcaagttg gctagaagat gccaggcaac atgcaaattgc 420
taacatgaca gtgatgctga tgggaaacaa atgtg 455

<210> 25964
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F6

<400> 25964

cgactacatg agccagtacc accgcccccc gccgcgcgcc gtggcggtacc acccgtagcg 60
ggcgccgtcc tcgcccgtccc cgcagtacta ctacgtgcgc aacatgagca tggaggagaa 120
cccaaactcg tgcgccatct gctgaagcaa tcgatcccg ccgctttgtc tgtcgcgtcg 180
cgcgcgcgaa cgtgagtagc tacgtgtcta ccggcccggc ccgccccgcc ccgtccatgt 240
gtacatccgt cgtcgtgtta cgttattatt acgatgagaa gacagacgaa tcaaactagc 300
tactcgtagc ttttattatt ttgtgagtc aaagtccaaa ccgtatagct gccagttcgt 360
gaatgaatct gtaattaaat tctccatgaa aaaaaaatga ctccaagctg 410

<210> 25965
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-F7

<400> 25965

accagtgcac cgtcaccagg cggtcgccat acgattcacc gcgcacgtaa catgagaaca 60
gcgaaaacga agatgcttcc ccgggcgga gccgacgagg agacgagaga gggagagatg 120
gggccggacc tctgggact tggcttgcgt ccgccgccga tggccggcgg cgccacgga 180
ggtggttcag cggcgcatca gaagacggga ttcgacgagc ccctacgttt cgccgctgac 240
gcccccttgc cgggtgcgcgc ttgcgtgcgc ccgcggcccc ggcccgtgga cgtggacgac 300
ggcgtcgtcc ctgcagcacc ttcggcgagc atgccgaagc cgnccgcgtc gtcgacggca 360

cggtgggcgc cagctgagct ggcgtcgtcc ccgacgaagc tcggttcttt cagggagatc 420
t 421

<210> 25966
<211> 231
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F8

<400> 25966

cccacgcgtc cgcaggacgg tcttgacccc tcttctagat tccctttttc ttctggattg 60
tcatcacatg atgggtctaa tcagtcgtat ggctcaacga acccagaaaa tcttctccgg 120
gggtactgttc acgggtggcaa cagtaatcat tatcaatctc agtttggaag gcactcaagt 180
gacatggagt ttgatgatcc tgctatatta gccatgggca aagggtgat g 231

<210> 25967
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-F9

<400> 25967

atcaccatca tgtgctgctc tagctgctgc gtcattatat attacatcgc gtatacgtat 60
agggtacggat tcatacgtct tggaatcaat tactgtgggt attgtattat acatatgcag 120
gacacttagg gcttgtaccc gtgcctgtgg ctagtcatta atgagggaga catgctttta 180
ctgatctaata gtatgtagac tcaattacat gctattacga tacgggatac tatgcacact 240
acttttccat catcagcctg aattgagcgc ttttgcgaga gttgacactg tgtactcaac 300
cactgtctg 309

<210> 25968
<211> 212
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G1

<400> 25968

acgcagaccc cttgccgcac aggatecgacc aggtactact gagctcgctt gctgcatggc 60
tcgtgcccgg gcgatagact tacctactga atgctactac tggagacgag agacgggtag 120
acggtgatcg cccatcatgat actcggctag ctgccggcgt cgacagactg catcaacttg 180
ctacgggctt gctcacacca taagactacg gt 212

<210> 25969
<211> 465
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-G11

<400> 25969

cccacgcgtc cgcacgccac aggcaaggca cagaggcttg tgagggagag cgaggagcgg 60
aggaggacat ggtgcacggg acgctggagg tgctgctcgt tggggccaag ggcctcgaga 120
acaccgatta cctctgtaac atggatccgt atgcaattct caagtgccgt tcacaggagc 180
agaagagcag tattgcaact ggaaaaggaa ctaccctga gtggaatgaa aactttatct 240
tactgtgtc tgaccggaca acagacttg taatcaagat tatggacagt gatacaggca 300
cagcagatga ctttgttggg gaagcaacga ttccattgga agcagtgtat actgaaagga 360
gcattccacc aacactctat aatgttgtga aaggtgaaaa atactgcggn gaaatcaaag 420
ttggtctcac attcactcct gaggatactc gccagcgggg tctcc 465

<210> 25970
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E7

<400> 25970

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tcgcgaacgg tttgcccagc cctcagagt cttcaatatt cccacattcc gcccaccaat 120
cgactttacg ccagtctcgc actcttctga aagcgtctcg cgcgcctgtt ttagaaagga 180
aggaggacaa ttacgcagtg ctctatgtcc acatctggca cgctgcac taagtctgga 240
acaccgcgtc tggaaattac tgactacagc acgtgactgc agcctgatgg ccaaaagcct 300

ggagataaga ccgctgggca tcacgacatt gaagacagat gagagcaatg tctgtcagac 360
catgataatc tcgggtcatg cactcatcca tggataca 398

<210> 25971
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D2

<400> 25971

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ggccggcgcg ccgcaccggg cccaggtcca cgctgatagc acgactccgc tgcagacgga 120
gcctgtactt gagaataacc cctgcaagag tgcaaacgcc aaggaccaga ttctttcttg 180
tacagagaat gtgactacag gcaatgcacg gtgcgctagc tacttgagac cgcccaacgg 240
tccaccagag aaggctagct ctgtgggaaa agctggagag caaccttatc tctaccagca 300
aaat 304

<210> 25972
<211> 272
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-D3

<400> 25972

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gggtggccgc cttegaaggc ttccgccggc cgaacaaggc ccttccccag gccttcaaag 120
gccggtggcg gttcattctt aaccaattga acggctttct cattgtccac ctcaatcgcg 180
ccgctgaggc accgcgacga cgcgcccag aagtatgggg gtggcgctcg ggctcgccat 240
gccgtgcagg cctcagctca gcgtctacat gc 272

<210> 25973
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D4

<400> 25973

cccacgcgtc cggaagcaac tgaaaacagc cgagcgatct cctctccctc tccctgtccg 60
atccattctc cagcgcagcg aagtaaacaat gtctgaccgg gcaaagatgt cgtggcaggc 120
gtacgtggac gagcacctga tgtgcgagat cgagggccac cacctcgcgg tggcggccat 180
cgtcggccac gacggtgccg actgggcgca tagcacggcg ttccccgagt tcaagaccta 240
ggacatggcc aacatcatga aggacttcga cgagccatgg cacctcgcgc cgtcaggcct 300
gttcctcgta cctaccaagt acatggtcat ccaaggcgag cctggtgccg tc 352

<210> 25974

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D5

<400> 25974

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gacaagaatg tgatcaagct tgtagcagcc taaaaatgcc caccagtttt ttacattatt 120
accgagttcc ttcttgaggg ctcaataagg tcatacctaa acaatccaga gaaccacccc 180
atccctctag agagaaccat atccatcgct ctcgatgtcg cccgtggctt ggaatacata 240
cattctcagg ggatcggttca ccgtgacatc aagccccgaga acattctctt cgacgagaac 300
ctctgcgtga agatcgctga tttcggcatt gcctgccagg aggccttatg cgatgtgctc 360
gtggaggacg aaggcactta caggtggatg gcgccccgaga tgatcaagca gatagcgtac 420
aaccgaaagg tcgac 435

<210> 25975

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D6

<400> 25975

cccacgcgtc cgcccacgcg tccgcactaa tccaagacaa aacatggctg tgaatgtgag 60

aaccatgtgg tcgtcgatgc gggctcaggt tgcatggtt gtggcgttgg tgttcttggt 120
gagcggagca tgggtgcgttc ctgataaagg gcctccaggt aagaacatca gggctaccta 180
tgcatggac tgcttggtcg ctacagcgac atggtttggc aaggttactg atgccggaca 240
tgaccataat ggtggcggat ttggatgcgc ggacgtgaat aaggccgact ggactagtag 300
tggcacatgc cgagtccatg gtcattcaaa ggatgccttg tgccgtgatt cctgcttcga 360
gatgatct 368

<210> 25976
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D7

<400> 25976

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ggtgaagctt aactgaact gcagctggca cttcctctg gtgaggaggc catgacatgt 120
atgtgtagtg agctgcccag ccaggaggtg gaggtccaa gcagtgaccc tttggagaat 180
aatgaagaaa cgaaaaatga agctgctgct caaggatcag taaatgagga ttctgctcct 240
cgtgctgaaa atgcaaagat tgatgaagct gacacagaac aggaactgct tccatctggt 300
gaggccacgg tagacgaatc cagcgagcta ctacccaag acgaaaaggt ggctcgtaaa 360
gatgcaaaga tggaagagtc tgctgctgct gctgctgcac agagacagct aactactgaa 420
gttctcatg caagtgaaaa cgcgaaact 449

<210> 25977
<211> 445
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-D8

<400> 25977

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cgataccacc aactacatgg aggacagcct cgtggactgg gcgcgcccgc tgctgagcgc 120
cgcgctggcg ggggagacgg gcttcgccga gctcgtcgac ccccgctctg gaggcgagta 180

gaagaaggtc acgtacgtgg tggaccccag cggcaagggc gactacacca acatcaccgc 300
 ggcgctggag gatatcccg tgaagcaaac caagcgctg atcctggacc tcaagcccg 360
 cgctcagttc cgcgagaagc tgttcctgaa catcagcaag ccgttcatca cgttcgggtc 420
 ggaccccaag aagcccgccg tcgtggtctg gaacgacac 459

<210> 25980

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E11

<400> 25980

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 tgtgcttgtt gggaacaaaa ctgacctgtg tgacaagagg caagtctcaa tagaggaagg 120
 ggagggcaag gcgaaggacc ttggagtcac gtttattgaa accagtgcta aggctgggtt 180
 taacattaag gcgctgttcc gtaaaattgc tgctgcactt cctggaatgg agacgctctc 240
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 cccagtctca ggctcaggct gggggatgca gttgttagtt gcagtctctg acacttgctt 360
 gctcatgac tttgggactc tgagcatcag aaagcgttat cactgatgct tctcttcgga 420
 agaagagttg attgcctctc gccagtgaac acaccat 457

<210> 25981

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E12

<400> 25981

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 atttgaattg gtaaacagag aaaagaggaa actgacactt ggcgacattc cattgtccct 120
 tacatgtgca cttcataaag gatctatact aacggaccca acttctgaag aagaatcaat 180
 tatagagacc tatgtgactg ttgtcggtga ttcttcagac cgcctagtgt cattacaaaa 240
 agttggaggc acagtgacat ccatggcaac tattaaggag tgcattagct tggcgaaaga 300

aaggaggctg aggctaagag aaattctgat agactctgtc aaagccatgg aagtcgacca 360
tactgaataa ttctgcagat acattcagtt aatctaaccg gggatattct tgatgggtct 420
ctgtgc 426

<210> 25982
<211> 341
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E2

<400> 25982

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gacctgcctc actcacttag gcgtcttggg gagtgtacat tttatgatga tggcactgct 120
aagggagagt tgcttgaac agtttattgc tttgatgggtg tcttctataa ttacttttagc 180
ataggaatgg atgctcaagt ggcttatggg tttaccaat tacgtgatga aaagccattt 240
cttgcaagtg gacctttatc caataagttg atttacgcag gatataacctg caagcaagga 300
tggttcttta cgcaatgtat tagtgatcct gagttaaagg g 341

<210> 25983
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-E3

<400> 25983

cccacgcgtc cggactagtt ctaggacggc ttcacctcgg cgtcttcaca aacgccggcg 60
cgaactctgg cccgagcccg acagatcttc aattcccat tccgcccacc gatcgacctt 120
cacgccagtc tcggtctctt ccgaaggcgt cgcgcgcggt tgtttgagag gagaggagga 180
agatgagggg gtgcatctcc gtccacatcg ggcaggccgg catccaagtc ggcaacgcgt 240
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agaccgcggg acatcacgat gatgccttca gcaccttctt cagccagact ggtgctggga 360
agcacgttcc ccgtgcaatc ttccgtgatc tagaaccac tgtgatcgat gaggtgcgca 420
ctggcacgta cc 432

<210> 25984
 <211> 273
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-045-Q1-K1-E4

 <400> 25984

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 ggagaaaaga agctattgag gaacattccc gtgaatgaga aggcaacaac tactgtagag 120
 aaaccttggg ttgattaaag agacgcatta actggcacag aagatttaga tattggggaa 180
 aacagctctt tagaaacgct taccaacact gttgacacat gggaagatgc tggaatatct 240
 gttttgcggt tcaacattat ggctgaattt tct 273

<210> 25985
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-045-Q1-K1-E5

 <400> 25985

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 tgcacccaag gtgccactag cgtctactcg atgctcacgc tcagtcacct ctccaggggc 120
 agggcaccag tcgtcgccgt gtacctgttg caccttgctg agctcgcgac atcgcgcaag 180
 tacgccatca cgcagcagct ataccacgcc cgggatgggt gcgacgatga ggacgagtgg 240
 ggctacgcac gtgagatcga gcatgtggcc tncgccgtgg ctaccttcac ctatgacaat 300
 gccatcctcg tgcggcagat gacggccata tccagcttgg gctctatgga cacagacgtg 360
 cgcaactgtg tggaggatgc gcgtgcgtcg ctggtgatca tgcccttcca caaggagcag 420
 cgctacgatg ggcgcgatgt gtgccggca 449

<210> 25986
 <211> 401
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-E6

<400> 25986

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accgtaccca tggctcgcgc tagcgtcgtc tttgtcattg ccgctctcct ctgcgtcgcc 120
atggtcgtag caccgatggc cgaggcaaag tccgccgatg cccctgtggc tgacgcgcca 180
gccgatggac ctagcggggc ggctgctgca cctggccccc aggggtgtcga aggcctgtca 240
ggcaatgagg atgacgatga tgactccacc aattgaggcc acacacgtcg gcccgggtaa 300
at ttggaaca agacattgaa ggaaaaatga gagcaatgtc tttaatacca tgataatgtg 360
tggtcatcca ctcatccatg gatacatcct ngctctccct c 401

<210> 25987
<211> 257
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-B7

<400> 25987

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tgatgcatta ttgctgatag catctgttcg ttggccagat gagtagagag ctgacaaaat 120
gttaagaaca ccatagagag aagtacatcc gctctctctc aactcaagga gcanacagca 180
acacttaatt atgagtctgc tatactgatt atcagtcgcg taacatttgt gaacaagtta 240
ttgaaatatc tctttttt 257

<210> 25988
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B8

<400> 25988

cacaacacaa ggagaagggg aaggggcggc aggggaagggc tccgcgtcgt gtccctgctc 60
gtcctcctcc tctctccaac accccatcca tcagcgtgc cctccgcatt gctcttgata 120

ccatccagta catcgattct ccccccaaga tcaaaggccg gagaaggagg aagaaaggtt 180
 agggagtcgg ctatgggatg cttttcatgc tgctgtgtgg cagatgacga caacgttggc 240
 aggaggaaga agcatgacga tccctatgtt cctatccctg ctcattgttta taattttgga 300
 cctagccggt tcccagcccc aaccctgtc atctccactg gcagagctca gccaatgca 360
 gtaccggcca ttcattctgga agagctgaag gaaattacaa aaaacttcag cagtgatgcc 420
 ctcatggcg agggctcgta tg 442

<210> 25989
 <211> 452
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B9

<400> 25989
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 cggtccttgc gacggaagag accgagacct agcattggcc gcgcgccgga gtgggctgca 120
 ctgcagtga ggtgggtctc gcatcgcacg cgaggaggat gtaggctgtc gacgcccggg 180
 agaaaagggtg aaggtggagc ggggtgggcaa tgagccggca cctgcaccgc tgcttcgcgt 240
 ccacggggac catgttcctg tgggcgctct tcttgggtggc catgacggcc acgtacctga 300
 gcgtgcactg cttcgtcgac agcacctccc cgcgctactt cgcggcggtcc tgtggcgggc 360
 tgcactggga gcgccagatc cgggcgctcg cgctcgacgcg gcggcggtcg gcgcctgggc 420
 cgcccgcggg gctgtccgtg ctgctcacgg gc 452

<210> 25990
 <211> 490
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C10

<400> 25990
 gaattctccg ggttcgactc cacgtcgtgc cggggaattt gagggggaaa attggagggg 60
 atttgagggtg tggagggtggg gaatgaactg aatttccact tcaagtcccc gggcattatc 120
 tctcaatgtc tctagtcatt caaatcagcc cctgagggcc ctgttcgttt caagctcaat 180

ccatatggat aggggattga atggtttttaa atctctagca agtcaaaatc attcctaatt 240
cctcatgttg ggagagtga tcagccgaag gtcctcaaac tacaaattcc aagttttatg 300
atctgtttcc agatcattct tcgtcacggc atgcctcagc cgaaagctat aaaatgaaaa 360
cgaaggtctg gagcaagtaa ctgggaaacg aagaaggaat caagtgcgt gcacgtaacg 420
tcttcaagag gaacagaaag acgatatctc tggtagatta ttagctcac gtgtataaga 480
tcaaaggtca 490

<210> 25991
<211> 457
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-C11

<400> 25991

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gcggcgccgt gggcgtagat ggcggcgatg tcggcggtgt cgttcgtgtc catggcgaac 120
gcgggcctcg ccgagctccg cggcgaccac atgccctact ccaagttctg gcacgccgtg 180
gcgggtgccg ccggcgggga caccaggcag cggggcgga tgccgctct gcgaagccgg 240
gacggcatgc tgctggccta cggccggcg ctgctcgccg ccgcccgtc cttcgcggtg 300
ccggcgccg tcgagggcg gcgcgccgag ctgctcagcg ccgcgctcg cgcgcacttc 360
ctcaagcgga tctcagagt gctgtgcgtg caccggtaca gcgggagcat gccgctgggc 420
acggcgcca ccatctnctg cagctacctg gtcagca 457

<210> 25992
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-C3

<400> 25992

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tccgaattga atgacaacga caacaagcta ggacggcagc agcaatgccg gccccggcg 120

ctgttctatt ttgatcccag gccagcgat gcattggtac ggtcaccacc gactgctatt 180
 ggtacgggtca ccaccaccac agcagcaaca gcatcgccct gtcgtcgtcg tccctgtccc 240
 tccccgctg cagcagcact agcagcatca cctactcctg ccacctgcag cagcagcggc 300
 atcgtcgcac catgggcggt caccagctgc acctgtcgtc cncgaccgcg gtgctgggcc 360
 acgtcacccc ggcgctgcgc gacctctacg ccgtggggcg caagctcggg caggggcagt 420
 tcggcaccac gtacctgtgc acggagcttg tccacggc 458

<210> 25993

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C4

<400> 25993

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 gggcggggttc aatgactcgg gcatctagcg cgtacgctcc aacatctgcg agaggcacga 120
 cctctgcgag cagcaccaca tgagcctcag actcgtctga gcgtgcaacta gcgactagta 180
 caacatgcga cacaccagcc tgcgttgccg caaggtcgtc gggctgcca tgccacaggc 240
 cctacagcga ccgctagagc gttgaccgat agcacacggt gctgtacaca actaaaggaa 300
 agcgagaggg gactctttct cgcgactact tgtataacca ggcttgatg tcccctctc 360
 gtttattctc tctctctctt ttttagttcg ctttcgaggg ataataaccc aactaaaaac 420
 acaaaagggc tcaagacttt atcatgcatg catg 454

<210> 25994

<211> 438

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C5

<400> 25994

cactgatcca agacaaaaca tggctgtgaa tgtaagcacc atgtggtcgt cgatgcaggc 60
 acaggtggcg atggctatgg cgttggcggt cttggtgagc ggcgcctggg gcggtcctcc 120
 caaggtcccc cctggcaaga acatcacagc cacctatggc aaggactggc tggacgctaa 180

agcgacatgg tatggcaagc cgacgggtgc cggccccgat gacaacggct gcggctgcgg 240
gtacaaggac gtgaacaagc ccccccttaa tagcatgggc gcgtgcggca acatccccat 300
cttcaaggat ggtctgggtt gtgggtcctg ctttgagatc aagtgcgata agcctgtgga 360
gtgctccggc aagcccgtgg tgggtgcacat cacggacatg aactatgagc ctatcgcggc 420
gtaccacttc gatttggc 438

<210> 25995
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C6

<400> 25995

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agaaaaaaga aaaataataa taaataaaaa aattaactaa ctcatacatt ctacttcata 120
aattcttata taataaaacc tatataaaat taattaaata atctatatac aacattaata 180
catattaaaa cattatcatt tcccaactcc ttttaatttc tatcacattt ccctttatac 240
atcttgctca atttgtcaac atgttcttac ccactatatac ttcctatcag ttcctcaatt 300
ctgaatggct attttttatt aaccctctaa ttttacatta attgcagcgg t 351

<210> 25996
<211> 429
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-045-Q1-K1-C7

<400> 25996

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gtgaccctct taggtgacgg ctccaagaag tccatcgtca ccggcaagaa gagcttcgcc 120
gacgggatca cgactttcaa gacagcaacc ttcactgcgc aaggcgacgg gttcatggcg 180
atcgggatgg ggttccagaa cacggccggc gcggagaagc accaggcgggt tgcgctgctg 240
gtgcagtcgg acaagtccat cttcctcaac tgcaagatgg acgggttcca ggacacgctg 300
tacgcgcact ccaaggcgca gttctaccgc aactgcatca tctccggcac ggtggacttc 360

atcttcggcg acgcggcggc ggtgttccag aactgcatcc tgggtgctgcc gcngcccatg 420
gacaaccag 429

<210> 25997
<211> 454
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C8

<400> 25997

cccacgcgtc cgggcacacg atccaggtgt acccaaggtc gtggacggcg gtgatgatga 60
cgttcgacaa cgcgggcatg tggagcgtcc gtcacaacat ctgggagagg cagtacctcg 120
gcgagcagct gtacgtgagc gtcattctgc cggagcggtc gtcagggac gagtacaaca 180
tgccggagac cagcctccgc tgcggcaagg tcgtcggcct gccgatgcca ccgtcctacc 240
gcgccgtcta gagcgtcgac cgatcgcgca cgggtgctgta cacaactaaa ggagagcgag 300
aggggacttt ttctcgcgtt tctttctcta gccagccttg tctgtcccct cctcgtttat 360
tctctctctc tcttttttcg ttcgcttccg aagaataata cccaaacaaa aaaaacaaag 420
gggctcaaga cttcatcatg catgcatgca taac 454

<210> 25998
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-C9

<400> 25998

cacaactttc agatagatct acatctaact ttaccagcct gcaccatgcg atttctactt 60
caggctcgta tctacgcttc caagacatct ccataactaa atccactaca tcaccttcac 120
aacctctctc actacaaatt cttcttgcta gacacatact actgctatct ctgacaccac 180
ctctattacc ataaagagac ctatcccatt aatcactaat gctccatcat atgatatcaa 240
tgactgacag actttaatgt ccttgacaaa ctccaccttg atcgctatct ctacaaccac 300
gactactcca catactgggt tcacttecta ccaggctctc aagactatgc tcacatacct 360
ttattat 367

<210> 25999
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D1

<400> 25999

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ctctaaagac aaaagtggat ttcacacttt gaaatcctgt gcttaaagtg acctgtagga 120
ataggagacc tactcatagg aacaaaaaca aaactatttt tgtaggtata tataggtact 180
tgaatgattg ttcttatgac acttgtctga tttgattctt tgattgagtg tgatgggttg 240
tggagtaatg tccacaatca catctgcata tacatataga aaaaaaacgg ttataaaaat 300
atctaaatga actaggttat ccctcatcaa agaatctagc ctagcaaaat ccatcttatt 360
ttgaaaaggt ctatcctaca ttcatagatc catcttatcc taaaaaaaaat agattctcat 420
cttatcttga aaagaattat cttatcctaa tagatctatc tg 462

<210> 26000
<211> 326
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B5

<400> 26000

aaaaaaaaaa aaaaacaaaa taaatataaa tattaataaaa aaaaataaaa aataaacaaa 60
agggataaat ataaacataa aaaaaacaaa atacaaataa aaaaaaaaaat aaaaatctaa 120
atacaggcaa aacgggcttg cgtttttatg ggccccaacc ttcccttccc ttcttttggg 180
tctcatatct cttctctggg gtcccctaca tttacttcgt ttgcccctgt tttacaccgc 240
gttgccctgg aaatccctgc ttttactcag tttatccctt ttccagattt tcctcttttg 300
gccatttggc aatttctcta tatggc 326

<210> 26001
<211> 336
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A10

<400> 26001

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gttgacaagg gtaatctgaa acttactaga acattcgagt tcattatggt cagattggta 120
tgtctcttgt aagtcaggct ggtgactgga ataaatcttg catacctgaa ctcaataggc 180
accgatgcgt atgtaaccct actacttggc atgtagaaaa ttaagacgat cgtgaagaag 240
agatctgtga acacgatctg gcacgatgag ctaactctga ccgtcataga tccaagacta 300
gctctgaagc tggaggtggt ctacaatgac acgttc 336

<210> 26002

<211> 473

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A11

<400> 26002

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cggtaatagt tccctaaggat tcccttaagg caacagtgct gcggatttgg aaagggcaat 120
catcagtgat acatgtccgc atgaaacgtc atgcaatgag tgagatgcca aaatcagatg 180
atgacgtttc aaaatggtgt aaagacattt ttgtggcaaa ggatgcctta ctggacaaac 240
atttggcaac aggcactttc gatgaggaga ttagacctat cggccgcca gtgaaatcat 300
tgctggtgac cctgttttgg tctgtcctgc tgttgtttgg tgccatcgag ttcttcaagt 360
ggacgcagct cctatcgaca tggagaggag tggcattcac tgccgcaggg atggcgctcg 420
tgacaggggt catgcacgtc ttcatcatgt tctcccaggc tgagcggtcg agc 473

<210> 26003

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A12

<400> 26003

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ggggatggta ctgctcctaa tgctagggta gcattcaagg ttaatattat gtagtgaaca 120
tccatcaatg agtgagacac ctgaatgaga tcatgacctt acatactgat gtacatgcat 180
actcgaggca tatgatacct tactgctcaa acatttgaca actggcacta tctataagta 240
gatatgacct atctctctat cacagaaatc attgattgtg accctg 286

<210> 26004
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-A2

<400> 26004

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tttcttttct gacacatcga ttctgaccaa tctctctggc ctgctgcttc ctgataatcg 120
accagttccc cagtcttget ccttgcactc ctccctccat ctccagcatt gtgttctgat 180
tcacctgctc caatggctga tctttctgct gctgatgctt ccccggtctc agctatcggg 240
tttgagggct atgagaagcg ccttgagatc acattctctg aggcacctgt ctttgtggac 300
cctcatgggc gtggttggcg tgccctctcc agggcccaga ttgactctgn tctggatctt 360
gcacggtgca caattgtgtc cga 383

<210> 26005
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A3

<400> 26005

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ggtgagagga gccggcggcg gaggtgaatg gcggtggagt accactgctg ctccggcgcc 120
tttttcgagc acatcgtcat catcatcgtg ctctgtctct tcgcgggcct catgtcgggc 180
ctcaccctgg gcctcatgtc cctcagcctc gtcgatctcg aggtcctcgc caagtccggc 240
accgagcagg atcgcaagca cgcagctaag attttacctg ttgtgaagaa ccagcacctt 300

ctgctatgca ctcttctaata ctgcaatgcg gctgcaatgg aggctttgcc catattcctt 360
gatagcttgg tgacagcttg ggggtgctatt ttaatatcag tgacactgat tct 413

<210> 26006
<211> 283
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-A4

<400> 26006

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ctcgctcgtg gctggcggtt ggtacgtgcg cgcgcgatgg acaggggaac ggtggaggac 120
ctcatacggc ggttgctgga cgggaagaag cacatggcga cggggaagaa ggtgcagctg 180
accgagaccg agatccggca cctgtgcgtc accgccaagg agatcttctt ctcccagccc 240
aacctcctcg agctgggtggc ccncatcaac gtctgcggtg aca 283

<210> 26007
<211> 140
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A5

<400> 26007

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gtccttcaac caaccaactt caaatcagga aaaggatgct gtcacctca tgctcagtgt 120
tcgtcaagca aatcttcttc 140

<210> 26008
<211> 297
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A6

<400> 26008

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tgggtcgggg aagctacgtg cacgcgctat ggacatggga acggtagagg acctaatact 120

gcagctgatg aacctaaaga cacacattgc gacagaaaga aaggtacaga tgaccgatac 180
cgagatccag cacatctgca tcaccgcaa ggagatctta ctctgccagt acagccttct 240
agagctgggtg gccccatca acgtctgcgg tgacatccac tggcagttct cggacct 297

<210> 26009

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A7

<400> 26009

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gccatcacac tagctcctct acttgattat cttgctcgtg cttacaccga tcctgctggt 180
catctctacc ctctacttca tgtctttctt cctccactat accatcttc 229

<210> 26010

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A8

<400> 26010

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caaccgccac atcagccatg ggcgcctgcg caaccaagcc caagacgctt gaggggcagg 120
ccccagctga ggccgccgtc tccacacca aggttgccgc cgaggccact ccaatctccg 180
ttgaggttgc ggctgatgaa caggtagctg agaaggtggt ggtggaggag ccggctgcgg 240
cggccgacgt tgagcatcag aaggctaag aggtgctcgc tccagaggcg gccgtcgccg 300
agcccgacca caaggaggag gaagccgtgg agaagaccgt cgtcgaggag gagaagccag 360
cggcagcagc ccatgcagag gaa 383

<210> 26011

<211> 451

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-A9

<400> 26011

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ggcttaattg gtaatctgaa cctaacagga ccatttaagt ggatcatggc cggatgggta 120
ggacttctgg aaagtccggg tgggtgagggg caatcaacct tgcctaccgc gacgcaggaa 180
gcagcgatcc gtatgtacgc ctacgacttg gcaagaagaa acttaagacg agcgtgaaga 240
agagatctgt gaaccccatc tggcacgagg agctaactct gaccgtcaca gatcccagcc 300
tagctctgaa gctggaggtg ttcgacaagg acacgttcag cagggacgac ccgatggggg 360
acgcggagat cgacgtggcg ccgctgggtg aggcggcgaa cgcgagcccg gatgcgagcc 420
tgaggaacgg cgccatcatt ctgtcngtgc g 451

<210> 26012
<211> 466
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-045-Q1-K1-B1

<400> 26012

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agaagatcgg cgccatggcg gcaacgacga cgacggggat gcagatgatg caggtgcagc 120
aggcggcggc gttgctgctg tgcttggttg tgttgggcgc gtctacgcgg gtcgcgctgg 180
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cctgtgccag cgcgtgtac ggagaagtcg ggatcacaac cttaggtacg tcggctgtat 300
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ncggcgtgtc cgcgtcaga gggttcaagc tatcatcacc gacgaccgt ggccgtggat 420
gannataata aggccccatg catncatgca tcatgcatgc atgcct 466

<210> 26013
<211> 245
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B10

<400> 26013

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 gtgggtacag tagctagcta tagccctagt ctgatgtaag aacaaattta tattatccat 180
 cccatattgt ctttaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaag ataaaaaggg 240
 tagac 245

<210> 26014

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B11

<400> 26014

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 atctggtcct gcggcgctcat cctcttcgtg ctctctgccg gctacctccc gttccacgac 180
 gccaacctgg tggagatgta ccgcaagatc agcagagccg acgtcaagta cccgcagtgg 240
 ttctcccctg agctccggcg gttgatgcc aagctcctcg aaccgaaccc aaacaacagg 300
 atcacgatcg agaagctggt cgagcacccc tggttcaaga aggggtacag gccggccgctc 360
 atgctggcac agccgcacgg ctccagcagc ctcaaggatg tccaggtcgc cttcagcaac 420
 gccgaccaca aggacagcag ca 442

<210> 26015

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B12

<400> 26015

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 gcgttaagtt gatgtcgcat ttacatgaag tgcactgcag ctgaatattt atatattcaa 120

ttccatatcc atacactaca tatgatgcta agctaataaa aagtagatgt gtatgtatga 180
 gtgtcatatt gaagtttatg gtccaaaata tctttatagc ctactatata taatctctac 240
 aatactttgc tgaactacgg cagttgatac tcaatctcct cgaactcaac ctaaacaaca 300
 tgatcacgat ct 312

<210> 26016
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B2

<400> 26016

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 tgatctacat ctcgctgtcg cggaaggaga aggaagacga tttccttgcg atgaagggca 180
 ccaagctgcc ccagcggctc catgaaaagg gctaagaacg tggaccagac cctgcaatct 240
 gtcttgccgg agatgtggct gtccgatttg acgaggggac ggtacgaggt gcgggagaag 300
 atatgcbtga cgaagacgcg aagagggctg aaagggatgg agagcattga cagcgactcg 360
 gagcctatag atg 373

<210> 26017
 <211> 182
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-A1

<400> 26017

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 aaggcgggtg tgtacgcgct gtcgcccttc cagcagaaaag tgatgccggg gctggggaaa 120
 gacattaaca acaagaacca acacaagggc accgagaact ggatcttcgg cagcgttctt 180
 ct 182

<210> 26018
 <211> 408

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B3

<400> 26018

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 caaggtcagc accaccttgc agcggcctcc agtgcttgc gtgccggcag ctaaggcatc 180
 gccatccacc ttgccgagga gtaagccatc tccaaggcct agttctgaca gttgcaaagc 240
 ggcagcatca ctgaaacctc gcagtcagag ggtcatgttg ccagggtgctg ctcaaggaga 300
 caaagttcag ccaactgtcta ccgcacagtc acctggtgca gctgcaagga agagattgga 360
 tactgttaat ggtgctacta ccaactcaaa agctaaaagt gtttctca 408

<210> 26019
 <211> 273
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-B4

<400> 26019

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 aattgcctgg gcttgctttt acacttgtga aaatcgtgta ttttattttc ctgctctcgt 180
 ctgagggttag tgtaataatt caacgtttgg agtttcttgt tttaactgta ttttacatga 240
 aataccacct caaaatcctg ttgtggaatc agc 273

<210> 26020
 <211> 335
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G12

<400> 26020

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 agcagcagcg gcagctgtcg gagcacgaca gttgcagcgt ccttcagggg aggaagaaag 120

gggacgacgg cacgagttta aaccaacaat ctctcgatcat atatatcata atagagagta 180
ggacgacaaa agccatgggc agtaatggca gagatcatag gcgcggagtc ccacgcccgc 240
cacctttacc actttacagg gattgggagg aggaagaggt cgtcaaggct ggtagacgtc 300
ggcagtcgcc gttggcgcag tcgtcaacgt cgccc 335

<210> 26021
<211> 66
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G2
<400> 26021

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gtttttt 66

<210> 26022
<211> 383
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G3
<400> 26022

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taaaggaagc atcctcgaca tcctgtgtag ccaggaggat ttcccgcgtg atctacgcat 120
gaggatcgcg atcaagaccg cggaagcgtt gcagtacctg cattcgtcgg aaactgggcg 180
tcaccggaca cggcagcgtc tcggcgctcca ccatactcct cgacaacaac ctcgtaccga 240
agctcaccga gttctcgagg tcattgtacgc tgttcaagaa gagcgagact acttctgttg 300
ttggtgctgg agtgatgac actggcagcc ttctagagaa agctctgaac gacgaccgct 360
cccgtacgg ctcggtgttg atg 383

<210> 26023
<211> 277
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-044-Q1-K1-G4

<400> 26023
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 ctcaaccgac aggctcctca taatgatgag gaaatttcag agatgagaaa tacttgtttc 180
 aagaggggtat tttctggtgc agaattaaaa aagattaagt tgcagtatgc taatttctct 240
 ttgtttggac ctggattcaa ttcatttgac ttacttg 277

<210> 26024
 <211> 104
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G5

<400> 26024
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<210> 26025
 <211> 232
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G6

<400> 26025
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 tatcctcgcg gttgacacag aaaggataaa attgcaagtt gtgtctcagt ttggcactcg 120
 aaggaggett gtgtgggtgt tggtgttttt tttttgtcat ggcagcgctg tctctaactc 180
 taaaggatac cgcagtttct ccaggtattt ctgttaatag cgttatgtac ct 232

<210> 26026
 <211> 208
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G7

<400> 26026

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ctggctctgct atgaatatct atgcatgcat ggtaacgggt tgtgttattt aattattatt 120
attacgtaga cattactatt taaaattcat gtgttcgct caagtcgttc tgtaatcttg 180
tgatggaata tatatgatat ttcctttt 208

<210> 26027
<211> 402
<212> DNA
<213> Zea mays

<223> unsure at all n locations
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<400> 26027

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aacaacagga tcacgatcga gaagctgggc gagcaccct ggttcaagaa ggggtacagg 180
ccggccgtca tgctggcaca gccgcacggc tccagcagcc tcaaagatgt ccaggtncgc 240
ttcagcaacg ccgaccacaa ggacagcacc accaaggtgg aacagccggc ggacagctcc 300
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tcaagcctgt tcgaggtgga ccaagagcag aaggccagca ac 402

<210> 26028
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G9

<400> 26028

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gggaactggg aagcagtcac tagccatcaa ttttgacaga gtagatccag caccatctgt 120
tcattgaact tgtgagctcg atggatgggt ttttctgcag ttagcgggggt ttagttaagt 180
tcgaaggata atgcagtaga caacgttggt cacgtgtggt ggtgagggtc caagtaagag 240
agagcatcac actcacgtaa caggaatgat cattgatgga ttgaggcgcc ttaattgaaa 300

ttggtgcctt ccacctcatg gatgcaggtt aattcttttc ttcgttgatt ttttgacccc 360
 ttttgcttgg tccttctgcc aataaggaca tccacaggtt aaaattcaaa ttctttgctc 420
 taagttgttg cacattga 438

<210> 26029
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H10

<400> 26029

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 cagtacttga tgaagaagcc ttaaattaca acatttatag ggctgtactg gaagcagagc 180
 caccagaatg gcttcctgac agttatgcta gtgcgtgtat gcagtgcgct gctcttttta 240
 ctgcccttac acgtggaagg catcattgtc gattctgtgg agggatattt tgcagggcat 300
 gctcaaaggg acgatcgctg ttgcctgcc aagttccgtga gcggaatccg caaagagtct 360
 gtgatgcttg ttatgatagg cttgatccat tgcagaactt attgattaat tctgtcagca 420
 atgcctcaca aactgcaaag catgatgtca tggattgga 459

<210> 26030
 <211> 206
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H11

<400> 26030

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 ggggtcccgta ccgaatccat ttgcagacac tcatggccaa gatccatcgc tcgttccaac 120
 cagccttatt cttcttgtgc ttggtcgtct gatctcgttt tccattcgtg tccaatccga 180
 tccatccaac cgctgtgaat gatgac 206

<210> 26031
 <211> 370
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H12

<400> 26031

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aagcagagggc aaagttcggg tggcatgtgg ggttggtcgc ctggaagccc gacaccagca 120

gtttagttcc gtgattcata tattttactt gtaacattat atatcatttg actgacaccc 180

tctacaattt ttttatttgg ttacttacgg cattcgtgtt cattttggac ccacaaagaa 240

taaggtgttc tagcgatcgt tatactcaca attactcaaa atgtattctt taggttttagc 300

aaggggggtgc tcatgttagt cgatgtgctg gttatccttt tgacgctgtg ctggtttggc 360

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<210> 26032

<211> 141

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H2

<400> 26032

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cacgaagctg gttaaggaaa tatccaaatc tcggaagact aaccaaaccg tggaaactta 120

cactgtacat gtcgttacgc t 141

<210> 26033

<211> 368

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-H3

<400> 26033

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aatttaattc caattgaaat tgctctcaaa attgcaaata agattaaggc aaatgaaagg 120

ttttctgcat acatagtggg acctatgtgg cctgagggtg atccaactgg ggctgcaaca 180

caacgaattc tttactggca gaataaaacc atgcaaata tgtacgagac aatatacagg 240

accttgaaag aagaaggcct ggatgatatg tatgagcctc aggattatth aaacttcttc 300
 tgtcttggca accgtgaagt tgctgacagc actagcactt caaacgcttc gaatacagca 360
 aataatcc 368

<210> 26034
 <211> 303
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H4
 <400> 26034

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 ggcaggcagg caaccggccg gtatattagt agatcttcga tcgttcaccc aagctaataa 120
 gtcagtaagc agcagtaggt cgaaaatggc gatgaggctg ctacgcctac tggtcctcct 180
 cagcctgctg gttgttggtg tggcgagggc ggtggagttg gagatggagt tggcgctgc 240
 tgatgcaatt gcgatgacta tggatcatga gccgccgcag gaggcgcgca ccccggtgag 300
 cgt 303

<210> 26035
 <211> 466
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-H5
 <400> 26035

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 ggagcccgcg gcggcgacga tgtacgggtg ggagatgctg tcgttcaaca tacacgatgg 180
 gttcctggag gccatcgtgc ggggcaaccg ctcgggcctc ctcaccgccg ccgactacaa 240
 caacctctgc cagtgcgaga cccttgacga catcaagatg cacctcaccg tcaccgagta 300
 cgggccctac ctncagaacg aaccttcacc cttgcacaca acgacaattg tggagaagtg 360
 cactcttaaa ctagtcgatg agtacaagca catgctgtgc caggccactg aaccactatc 420
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<210> 26036
 <211> 356
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-G11

 <400> 26036

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 tgctttcaat gcaagttcct accacacatg aagaatctca tgctctgata tcacactcac 180
 acaactagat ggagctacta gggtatacat atatgtcgaa ccacggggcac taggattcag 240
 acctattgta tcttattgag ccctttatgg cacatgcagc atcctgcatg actaatcatc 300
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<210> 26037
 <211> 321
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-H6

 <400> 26037

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 caccggctgg ccacgcatgc gataaccatc tgatatggac ggaactatat attgtattcc 180
 tattaatctg gcatttttcta agctaattgt tttttttcca aatataccgt cgatggaaact 240
 ccaaagttaa tgtcacgcaa atgtgtgttt ttcacgatt gaatggataa taataaaaaa 300
 ggcatgctgg caggtactac t 321

<210> 26038
 <211> 355
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-H7

 <400> 26038

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 ggaataagat ccgcaacgcc aagctgggtt ttcttgaga tgtgggcgct ggcaaatcta 180
 gcttggttct tcggtttggt aaggacagt ttgttgaatt ccaggaatca acaattggag 240
 cagccttctt ttcccagacc ttagcgggtc atgatgagac tgtaagttc gaaatctggg 300
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<210> 26039
 <211> 299
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-H8
 <400> 26039

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 aaggccgacg ctctctcttc gtcgtctctc tctctcactc caccgaggtt gcgccgcgcg 180
 cttgccgtcg tgatggccgc gtcgctgctc gtgctcgccg tggcggttctt ggttggctct 240
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<210> 26040
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-H9
 <400> 26040

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 tgggcgcacg ctcatgcaag gcacctatat caaggggtac cacagacgga acctggcttt 300

cagagagagc gcgtgcatga aggccatcga caaggagaag gtgatgcgcg atggcatgat 360
cgaccagatc aagcgcgaga tctacgtgat gcgccgtgta cggcacccca acgtga 416

<210> 26041
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E7

<400> 26041

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aaggggttcaa aaggttcaga cgttagggga gtgaatcctg gaaaaagggtc atcgccatta 180
cagaagaagc cgagtggacc ctcaccgacg ctaatcaaga agggcggagg tgaaggaagg 240
aagactccaa atggtaaaac aggaaccaag aagtaagcaa cccagatgaa acttggtttt 300
gctgtgacca acttcacctt ggtaggggac agattaacat gttgatacta tcgggtgata 360
cattgatat 369

<210> 26042
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E8

<400> 26042

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aatggcaccg agaaccccaa ggaggtgttc cacagcgtgg ccaagggtggc gctggagtcg 180
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accgagagcg cgcgcgagga ctgcaagaag ctctggagg acgccggcga cgacctgagg 300
ggcatgctcg agatggccgg cggcgacatc aaagtgtgtt tcagccgggtc cgacgacctc 360
gagacctggc tcacgggcgt catgacg 387

<210> 26043

<211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E9

<400> 26043

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aacttatgcy aagtaatcaa ggacgacaat agatggagtt ggttgtctct atacgcttcc 180
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atagatcaca cttgtctgtc gacgggtttc tccggaagtg gacatgtaga ttgacagagc 300
atgttccaaa aattttgaga ccagcagctt atttaaatca gctgttgtct ccagcatcat 360
acccctttt tttaccccca atggagatat cagacatgtg tacagtccgc taatatattc 420
aatcatttcc agcag 435
  
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<210> 26044
 <211> 404
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 26044

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<210> 26045
 <211> 456
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F11

<400> 26045

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<210> 26046

<211> 127

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F12

<400> 26046

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cccattc 127

<210> 26047

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-F2

<400> 26047

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gaacttcgcc gatattctgcg ccggagaaga gcgcccacca gatcaggcgc ttagaaggcg 180
cgctggcccg tggatgacga tggcgggtgg cgggggactg aaccggtctt catcgagggg 240

gcagctgccg ccgcaagagc tgcttgacga tctctgcagc cggttccttc tgaatgtgcc 300
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 ctatgaagac aacttcgttg agcacaac 388

<210> 26048
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F3
 <400> 26048

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 agacacgagg cttcgggaag gttttcttct aaatcctgtt acaagtcatt cttcagagga 240
 tccatcactt ttgaaccttg gaggagggcg tggaaatctg ggcacctctg aaatgcaaag 300
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 ggatgttcac ccgaca 376

<210> 26049
 <211> 288
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F4
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 agtgctgtgt ccatttttagc atttcaccta tccttgcgt ttaccacaac tgacttccat 180
 attcgggtac ccctgtttcc tgtgacctta catatatagg acataatggt gcgaagtctc 240
 gcaatatgta atggacataa gtggcgtgtt catatattat tgctggag 288

<210> 26050
 <211> 359

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F5

 <400> 26050

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 ccgtcgggaa gcacaacgtc accatcttcg cgccgcggaa cgaggcgctg gagcgggacc 120
 tggacccgga gttcaagcgc ttcttgctgg agccgcgcaa cctcaggctc ctgcaggcgc 180
 tgctgctcta ccacgtctc ccctcgcgcc tgccctccga ctcttgggcc gcggcgctccc 240
 accccacgct gtccggcgag gaggtcgagc tcgccccgc cgccggcgcc ggcattgcgcg 300
 tcggccacgc cgnctgcacg cgcccgagc ccgtgctcaa gcccgcggg gtcattcac 359

<210> 26051
 <211> 399
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F6

 <400> 26051

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 ggaacgtgga tcttaciaat gtcaagctga gcctgtcaga aggtgaggag gacgagtgg 120
 tcaggcacag ggccagtagc ctctcccagc ttaacaacac ggagagcagc caccacacga 180
 gtgcagaaga ctccaagtcc cactcccacc ccgctggcgc tgctgacaaa ggcaatggca 240
 ctacaccagg cagccacca tccacgagcc atgataaaac aacgaccagc gcagcgacag 300
 caggcacgcc ggccatgaag aggtcctcgt cgggcagcaa gctgcagcgc aagaggcctn 360
 cacggctggc agtgagcaag agccggctgg gcaagggca 399

<210> 26052
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-F7

 <400> 26052

atatcgcata gtttttcgag atgccaagac atgatgcact taaagctctt gaaatctaca 60
 gaagggctgg ccaacaggtg actccagagt tcacaagagg atgatcatta aagtatccga 120
 gactctaaaa ggtcaagaca ctatgaacat gtactcttat ttaggttatt cgacacattt 180
 caggctggga atctatctga tttctacgag aattgccggg gattagaact tgctaggaat 240
 tttcagattc cactctcgag ggaggagagg gcttgactc tgactagtct tcgctatgtg 300
 cactggatta tgatatgaca tcttttacat gagaaaattc tcagccacca caaacatttc 360
 ttgctactat ggaggactat gttaatgaag cttcacgcat ggtccctgtt cgagaacccc 420
 tgatcatcgt atgagtactg gaa 443

<210> 26053
 <211> 331
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-F8
 <400> 26053

gtgaaagctt agcgggttcgg gatctatcca atctggtaaa accggacgat atgatcaccg 60
 cgtaacatct tgtgacactt cttgcaatcg atcccaagta ctcccaaac gactggctgt 120
 aaagctatga gacacttgat acatttgtgg tacctatgtc atctaaaaag ctctatgaag 180
 acaacgaata tgctctctac actgtgacac tatgcgctaa ggttgctgac aactttaagg 240
 tccgtgctcg cgagaagggg actcagatcc gtgatttcta gtccaggcct gaatcacaag 300
 aaagccggat gcaggagatg gagaagctac t 331

<210> 26054
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-F9
 <400> 26054

cccacgcgtc cgaacaatcc ttgcaccct cccctccgtc accccaccac atccggccag 60
 cgcaacgaaa atgtcgcgcg ccacagctgc ggtcctcttc tacatcctcg ccgtcgtgc 120

cctcagcgcg gccgaggcac cggcagagtc accgaaggca ggcagtcctg ccaaggcacc 180
ggccgagtca ccgaaggcag gcagtcctgc agctcctgcc aaggcaccgc agtctgctgc 240
cacgagaact gcccccgcta aggcacctca agccgcctcc acccccgccg ctgccgctgc 300
cccatcgctg tcgtcgtcta ggaagtctgg tccagctgcc gcgccgacca ccgccgcctc 360
tacaccgtct tcttccacgg acgaggagtt gagcccttcg ccgtcggcat ccaccgncga 420
ggtggcgctc cctgccgctg atgggcctgc tg 452

<210> 26055
<211> 346
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-G1

<400> 26055

ctgccatcct ctccaacacg aagatggcgt tcatcagcaa tgtcgcagtg aaggcggcgg 60
gcgtggccgc gctgctgctg gtcgcagcgg tgtcgcctgc cgcgcgcgcg gcggcggtgg 120
cgggtggcggg aggggcgcgcg tcggtgccgg cgggtccgct ggacatcgcg cagctgggcg 180
ccaagggcga cggcaagtcg gacagcacc ccatgatcct caaggcgtgg aagaacgcgt 240
gcgagggcgac ggggggtacag aagatcgctc tcccgccggg caactacctg acgggcgggc 300
tggaactgaa gggcccctgc aagtctcca tcatcatccg tctcga 346

<210> 26056
<211> 467
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-G10

<400> 26056

cccacgcgtc cgggacggag gagggggaga cggggaaacc gatctcaacg aggctcttac 60
gtcgcaggtg cgcgccttg ccatggagat ccggcaactt gctaattcac gaccaataac 120
tgttctcaat ggaggttctg gacaatcagg agtatcaggc ctgatagtac ctgcagcaac 180
tgttggagca ctaggttatg gttatatgtg gtggaaaggg atctcgttct cagacctaat 240
gatatgcacc aagcgcaaca tggcaaatgc tgtttcaagc atgactaaac atttgagca 300

agtgcaaagt tctcttgctg ctgctaaaag gcatttgaca cagcgcattg aaaagttgga 360
cgataaattg gatcagcaga aggctctatc tggacaaata agagatgatg tctactgatgc 420
acgtctgaag cttgagaata tnggttcaga aatcaagaac atcaaag 467

<210> 26057
<211> 420
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-E6

<400> 26057

gtctcgggtct cgcaggggca gggctgggag gtcgacggag gccattctc caacttcctg 60
gtcccgctga tcatccagca ccagcaggag aatcccgtcg aatccccctc tcaaccaagg 120
gcgcgcgcgc gtgcgtatgc ctntccaga tccaaagcaa cagacagcga gggggcaccg 180
gggtccgcgc catgtttgag atttatggag gatcatgctt tcttgcttac tacattagct 240
cctgacgcgc cgacctcccc tcgcgttcat tgatttctgt tataattact accgagctac 300
tatctccaca ttattattgg taaagaaaga aagggcgctt nctctaattt gatgggcatt 360
ccgtttcctt ctcaacttca acgccaacaa cagttgatgc tactatgggt ggaaatcggg 420

<210> 26058
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D11

<400> 26058

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ggtagccagc ggttggtgac gacgtacatg cgcgggcgcg ccggccggaa agctagcagc 120
agtggcgcac aagaatgacg agctaggagg aaggaaggag acgcgccact gggcaagtac 180
atatacaaag tgaccgacga gcgtacagtg gtatccgtga atcatgtact agcatagaca 240
tagcatttga acagcatgag gtgtacatac cccctagtt cgttcagaag aatgctgggtg 300
actgtaactc ctgtttctgc 320

<210> 26059
 <211> 331
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D12

 <400> 26059

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 gttttttttt ttcagcetta ggtactcact agcgtttcct tctcattata cccttattcg 120
 ttctcataca gatctcctgg acgaagaaac atacaaaagc tacatcaaaa tcaaacggct 180
 attttgttct ccttttgctc attaggaggg ctctccagtt ggctgtccgt gtccggttgg 240
 gagggccccg gcgcactggg gtggggcggt gccgcctgg ccgggcagcc gtaagcgccg 300
 agcggcggtgc cggcatctcc gttgcggtgt g 331

<210> 26060
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D2

 <400> 26060

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 gcgcggtgtg gcgtcgctga tctccctcgc gcggacatcg cggctccgcg ccgtgacgga 120
 cgcgctcccc gcgtccgtg gcgcggcgcg cgaggctgcc ggatcgtcgg cttggcctcg 180
 gtcctaacg gatcggccgg agcttccggg ccgataagcg ggcggctggc ctctcgagct 240
 acacgtgcgc taaaagctg ggctctgctc gcgactgcc ccgaaggggc gcgcctgtgg 300
 tgctcatgaa ccgagctgg cggttcg 328

<210> 26061
 <211> 360
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-D3

 <400> 26061

cccacgcgtc cgccgcttca gctcccatte tccgccaaat aaacccccga aaagcaggag 60
aggcgagacc cggaagtgga aggctagggt taggggccca gctccccgtt gcctggggcga 120
gccgagtgat ggccgccccct gccccctcog gcgcagctag tgccgcccgc tcaccgtccc 180
cgctgatgca gctgccgtcg ccgttcgcgg agctcgtcaa gggccccctcc ggcctcgaga 240
aggtcgtgct tcgcggcgct cgcaactgct gtgccgagat ttatctttat ggaggtcaag 300
taacatcatg gaagaatgac aatggggaag acttgctttt cctcagcagc aaggctattt 360

<210> 26062
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D4

<400> 26062

cggacgcgtg ggcaaggga ggtcgaggca cgagagcgt agcggcggag ctagcgagca 60
ccggcgctcg ggcgacggtg gcgccatggg tggttggtac tccgccattg cggccaccag 120
gctgaagatg ctgcgccgcg gatgccgggg tgccgctgcc gtccctccccg tcgccagcca 180
cgacagcgtc accggcaagg agaggaagag gaagtgcagg aagcacgcct ctatcctggg 240
cgactccggc accgtcgacc cggacttctc gcggcggtac cggctcggcg cggagcttgg 300
gcg 303

<210> 26063
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D5

<400> 26063

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aactctgtag cgcgtctcat tcacatgctg cacaatgatg atcctgaaga gatgctgaag 120
atcttatgta ctgtacagaa gcatatactt caggagggcc tcaagcgtct aactttcact 180
gtgccttcgt tagtattctc ttctcttaag ctggtcaggc gattacaagg ccaagatgga 240
gatgtcactg gggaggatgt tcctgcaact ccaaagaaaa tattccagat attgcatcag 300

actattgaag cactttcttg tgttccttcc ccagagttag ctctgagact atatttgcag 360
 tgtgcagagg ctgccaatga ctgtgatttg gaaccagttg cttatgagtt ctttactcaa 420
 gcgttcattt tatatg 436

<210> 26064
 <211> 315
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D6

<400> 26064

cccacgcgtc cgttgtacgc caagaaggac tacaagacct cctcatggaa gaggtatttg 60
 cagatctcgc ggcggttctt cttggagggg gtcttgtacg ccaagaagga ctacaacctg 120
 gccaaacacc ccaagcttga tgtgccaac ttggaggtga ttaagctcat gcagagcttc 180
 aagtcgaagg agtatgtgag ggaaaccttc tcatggcagt actactactg gtacctcacc 240
 aacgatggca ttgagcacct tcgcagcttc ctcaacctgc catcagaggg tgtgcctaata 300
 acctcaaga agtct 315

<210> 26065
 <211> 136
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D7

<400> 26065

attgtatgca tgttctcctc tcacatatgt tgttggtgtg ctgtatatat aattaatttg 60
 ttaacttttt ttcaggcaca tatgtatggt gagatcaata cactagtaga aaaaggctca 120
 aaacgcgttg tgcgat 136

<210> 26066
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D8

<400> 26066

cggacgcgtg ggccggcgac tacctgctgg tggcgtccac ccggttcac aaggagaaga 60
gcagcaccac ggccgtgatc cgctacaagg gctccagcgc cccgccgccg gccaaagctgc 120
cggagggccc cagcgggtgg gcgtgggtcca tcaaccagtg caggtccttc cgctggaacc 180
tgacggccag cgcggcgagg cccaaccgc aggggtcgta ccactacggc cagatcaaca 240
tcacccgcac catcaagctc gccatggggc gcggcaaggt cgacggcaag gagaggttcg 300
ccttcaacgg cgtgtcgac gtggaccgg aaacccccgt caagc 345

<210> 26067
<211> 462
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D9

<400> 26067
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tccaggtcct ccatcctgt cgccatggtg atgctggctg cgctattcgt tgttggtttg 120
tgcaccaccc cctcacctt ccaggtcggc aagggatcca agcctggcca cctgatcctc 180
acccccaatg ttgccaccat atccgacgtg gagatcaaag agcacggtgg cgatgacttc 240
tcctttacgc tcaaggaggg cccgactggc acctggacgc tcgacaccaa ggccccgctc 300
aagtaccccc tttgcatccg ctttgcgtgc aagtccggcg gctaccgcat cgccgacgac 360
gtcatccctg ccgatttcaa ggccgacacc acctataaga ccacactcag catctaata 420
atctctggtg atgaattaga tttcaaaaga gtcacttag cg 462

<210> 26068
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E1

<400> 26068
cccacgcgtc cggacggcgt ctcgccgctc gttcgtttc cgccttcccc ctcccgcaag 60
tcgccgccgg ctgcattcg tggttccgcg tggggggtcc gtggaaacgc gacaagagag 120
gcggaagcga tggcgaagtc gtgcaagggg ttggccatgg agctcgtcaa gtgtctcagc 180

gagaccgact gcgtcaaggt gcagaaaagg ccgtacaagg agtgcgctgg ggagaagggtg 240
 ccaaacatta ccagcgagtg cgttggcctg cgggagacct acttcaactg caagagggggc 300
 caggttgaca tgcgggcccc aatacgcggg aacaagggat actagtgatg t 351

<210> 26069

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E10

<400> 26069

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 cagtgaggca aagcgctca gacatcgaag cggggacttc gcactgattg agggccaatt 120
 atacaagaaa ggggtcagtc agccaatgct caaatgcgtc accgaaaccg aaggcatgca 180
 gatcctacgc gaagtccaca gtggcacgtg cggctcgcac gcagggccaa gggccctggc 240
 tgccaagggtg atccgacaag ggttttactg gcccgcaatg atctgcgccg caaatcgggt 300
 cagcagggtcc tgcgaagcct gccagaagtt ctctcctcgg tcatgcaacc cctcgcaata 360
 taaaaagctg atcgcccata catggcctat ccagcgctgg ggcctggaca tcgtcggggc 420
 cctgcccdacc gtcctatggga accttaagtt ggccttcgta gccg 464

<210> 26070

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-E11

<400> 26070

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 ggcgtttcgt ttattgtttt tctaattgcc cattcattca tgccgttcgt gccacgcat 120
 gcagcccatg aggatcgagc atggaggagc ctagttcttg atccaatctc ccagcatgct 180
 tgacgaacgc gaagacgaac gtggggcgaa cgctgcatgc taacgcgggt gatcttattc 240
 ctaataatac gtagcgattc gggagattga tttttgatca tgcacaagcg atccaaatcc 300
 tgcgagccgt acaggaagat ggaggagcgc gtcgggtgca gcaatgccgc gacgtccttc 360

gacgactccg ncaccggcag ggcgccgggc gccgcggcgg cgcagtgctt cacggtgtcg 420
gtgttcctcg ccaagatcaa cggcgccgcg cgccacg 457

<210> 26071
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E12

<400> 26071

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agaagcgagg aactcgccag tgtttgggaa tcagtatgta cacttcaata tcagggttcc 120
gacggagggtg acgcaaaggc agaggagct gatagatgag ttcgataaag aggagtgcgc 180
agaccgggaa agacctgcgg ttgcctccg atgaagtttt tggttcaacc attaattagt 240
tttagcacca cactagtttg atgccctcaa tttctccaac ccgtcataag gtgctgtagg 300
caccaaaagc ttattgtaac atttgatcct tatatagcat ctactcagtc tgtaacgtat 360
acattacgcg ctaaattatt gtaccatttt cgattttct 398

<210> 26072
<211> 170
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E2

<400> 26072

gccacgcgtg cgggagcgag tgtcggaaca gactcctaaa cctccagcag gatcttactc 60
gggtctattgc tatataacaa catgtctgta ctgctgatca tagcacttag cattgtacca 120
tgactagagc agtccatata actgccttta gataaaaggg cggacgatat 170

<210> 26073
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-E3

<400> 26073

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 cggcctaggc gcggggcatc tttcgagtgc gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggagg aaactgaccg ccgccttctc gctctcgctc tctaccctat 240
 tcccggggct gagaggggag gagagaaggc cacgtccaca ccataaagca ggacgtacag 300
 acacgtgtac gagggggatc acggtcgggt gaagtgacta agctggcgga c 351

<210> 26074

<211> 380

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-E5

<400> 26074

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 ctgcgagggc ttctgatggc cctcgacgcc gtcccttctc cctagtgcc agctttattg 120
 cagatccagc cctctgatcc tcgtcttctt tcacctctcc aacatgaagg tcaacaccaa 180
 gatcaagctg gagccgggtc tggcgccgct gtgcctcctg ccgcggagcg ccagcgagct 240
 acccgaccgc ccgtcaccgt tcagctccaa cacggcgcac caccctgtct ccgtgcccac 300
 cacacctagg ttggccttat cgtgctcgct gttcggccac atggtgacct cngccaccga 360
 cacaccggcg atcacgccca 380

<210> 26075

<211> 182

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-D10

<400> 26075

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 ccacctgatc ctcaccacca tatttccacc atatcctcca tgaatatcat acagtcacca 120
 ataattactt atcctttacg ctcacacact tcctactac cacatacact ctaaaccacca 180

<210> 26076
<211> 119
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B2

<400> 26076

gcgcgggggtg acgtcgcatg gcgtcatcgg eggcgtaacc tatcgtacca tcgacggcac 60

gtcgtccacg cccgaagccg tcagcctgct ctgctccgag acgcagacgg gcagcgggg 119

<210> 26077
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B3

<400> 26077

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ttttatttcg catttaaaga tgcctattgt tatagtatct gaggcagtag gacaggactt 180

ataagataca acttcccaaa tcattcatga tacaatccat gaacaacttg agttatctat 240

taggcactaa gttactgctc aactaaaaga aatggaacta aactaacaaa taaaaatgct 300

acttaagtac atatgctata tcctatgtca acgacgaatt gcacagtgga att 353

<210> 26078
<211> 310
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B4

<400> 26078

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cgccagcgag ctacccgacc cgccgtcacc gttcagctcc aacacggcgc accaccccggt 120

ctccgtgccc accacaccta gggtgtcctt atcgtgctcg tcgttcggcc acatggtgac 180

cccgccacc gacacaccgc cgatcacgcc caccaagaag caggacgaca agccgaagcc 240
gacgccggag gccgtcaccg cggcgaacta cgcgtcggtg tggtcgcca agcgctcat 300
gcagcgcgct 310

<210> 26079
<211> 392
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-B5

<400> 26079

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tcttggtctt ggggtgatcg cggcggtact tgtagcgggc cttttaggt atttatctga 120
gggaagaaga aactatacaa ttcattcatgt caggagggtc gtctgaatct tccccgttat 180
ctggacaaaa tagccttagt tctctatcaa tttccaagga caatgaacta tcttcagagt 240
ctggctgctt gtccattggt gtactaggcg cttctggaga ctttgctaag aagaaaactt 300
tcccagcgct ctttcacctt ttccagcaag gatttctgca atctggagaa gtccatatat 360
ttgggtacgc aagatcaaat ctttctgatg at 392

<210> 26080
<211> 325
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-044-Q1-K1-B6

<400> 26080

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gttggtgtca catggagagg gacactatat gtggctaate taggcgattc cagggtgtgt 180
attggcgctt taggtagatc aaacaagatc gtggctgagc cactcacaag agatcataat 240
gcaagtaggg aggaggtcag gcaggagctt atatcccgct atccagatga ttctcanatt 300
gtcgtttctca agcatggtgt ttggc 325

<210> 26081
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B7

<400> 26081

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 gatgacgcct gggcagtgca acatgggtggg ggaaaggctg ggcgactacc tgcttgaaca 180
 gggcatgtaa ctactacgta ccagctggaa tgcattgcca cgacgatggg ttccaggtttc 240
 gacttccaat aatagtaaca acaaagcaaa ggccttcttc ccggcggtatt tgctttgggt 300
 cttctccttc acgccataag atatctagca attgggtcact cgccttaatt agttcgcttt 360
 gcttttgagg ttgattcgac cattttgct 389

<210> 26082
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B8

<400> 26082

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 cctcggttcc ggctccggcg acgacgaccg ccgccgtcat cctatgccta tgcgtcgctc 180
 tctcctgtgc cgcggctgac gaccogaacc tccccgacta cgtcatccag ggccgctgt 240
 actgcgacac ctgccgcgcc gggttcgtga ccaacgtcac cgagtacatc gcgggcgcca 300
 aggtgaggct ggagtgaag cactttcgca ccggcaagct cgagcgcg 348

<210> 26083
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C1

<400> 26083

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acaagcaggt tccactcctg tttggatctg ttgcaatgga aaagggttgct tgccacatcg 180

ttcattggat atttaggaga accggtagac atctctttct aactgacgat gatgaagggc 240

tgcctccact gctgcagcgg atgggtgaag atcatgacga tctctacttt atatctgctt 300

tgcgagcatt cagaaagaga atgggtgtacg caaacgcaga ctgtgatcac attggttggt 360

ggagaacatc atctattaga agaaacaatg agctttct 398

<210> 26084

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C10

<400> 26084

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ggggcctcgg cgggtgtccct gacctcgctg gtggcggggg cgatggggcg cagtgcgcca 120

cgcgacgggt ggtgcagtcg cgctgccaca cggaggaagt cgagcccggc cgatttgtcc 180

gcaagtgcga gaagacggag cagctcctcc gcgactgcgt cggcaggccc tctgaactgg 240

tggaatccaa aactgaaaac actgaagaag atgtcacaga agaaatgaag agcggttcac 300

tttctcttgg gtttccaaga aacgagccct tcgcattccc tggactccgc agtgacatgg 360

aagcccttga gaaagacttc tttgggagcc tagggaacgt cctggatgaa actgagcgga 420

tggccaacag cttcgtcag 439

<210> 26085

<211> 465

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C11

<400> 26085

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accgtctcca agatccacta cgagaatatc aagatggagg actcagccaa ccccatcttc 120
 atcgacatga agtactgccc caacaagttg tgtactgcca acggcgccctc caaggtcacc 180
 gtcaaggatg tcaccttcaa gaacatcacc ggcacctcct ccaccccga ggccgttagc 240
 ctgctctgca ctgccaaaggc cccatgcacc ggcgtcacca tggatgacgt caacgtcgag 300
 tatagcggca ccaaccacca gaccatggct atatgcacga acgccaaggg cagcaccaag 360
 ggttgccctca aggagcttgc atgcttctag accctccatc gactgaccca tctctctagt 420
 tataatTTTT ctctcgctct tgcattgccc attagatgct atcca 465

<210> 26086
 <211> 51
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-C2

<400> 26086

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<210> 26087
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C3

<400> 26087

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 gcacaacaat tcttgacgtg caaggagtgg ggatgaagca attcagtaaa gctgcaaggt 180
 agctcattgg catgcttcag aagattgatg gtgacaatta tccagagacc ctgtgccgca 240
 tgttcatcat caatgcaggc cagggattcc ggcttctatg gggcaccgtc aagagctttc 300
 ttgacccaaa gaccactgca aagattcatg ttctgggtaa caagtatcag agcaagcttc 360
 tcgaggtgat tgatgctagt g 381

<210> 26088
 <211> 292

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-C4
 <400> 26088
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 ttttgatcag ttaaagcaaa atgcaacgaa ggccaagatt cccttttatg gaagctacat 120
 ggaatctgat ccagtga aaa ttgctgttga aggtgtggag aggttcaaga aagaaaactg 180
 tgatctcatc attgtggaca caagtggaag gctcaaacag gaagcaagac tctttgaaaa 240
 aatgcg gcaa gtttcagaag caccaaaacc agacctggtg atttttgtga tg 292

<210> 26089
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-C5
 <400> 26089
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 gcacaacgtg taccgtctct cccagcgtg cgcgcgcgcg tggtcggagg ctgccgtcgc 120
 tcgctgcggc cgcccccgcc ggccagcgag agcgagggac aacgaccgac cgaccgacca 180
 gctcgagggtg aatgaacagc cgcataccgt tcttcagaa aatgcaccgc tggatcatcc 240
 ctagctgcgg cgacaccgc cagccgcgcc ctctcttcg ccatcgagat gcgttcccga 300
 ggccggcgtc ggcgtccgcg tcggcgtcag cggccccgtc cctcagaag ctgaagaaaag 360
 tggggtcgga aggga 375

<210> 26090
 <211> 383
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-044-Q1-K1-C6
 <400> 26090
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ggagctgatg gcggcgctgt acctgcaagt gagcatcatc agccaggcgc tcatcttcgt 120
 gacccgggtcc cggagctggc ccttcgtgga gcggcccggc gcgctgctgg tgatcgcctt 180
 cctggcggcg cagctgggtg cgacgtgcat cgccgtgtac gccaaactggg agttctggca 240
 gatgcanggg aatcgctggg gcttgggtgg ggccatctgg gcgttcagcg tcgtcaccta 300
 ctccccgtg gacgtgctca agttcgccat ccgctacgcy ctcttcggca agggctggaa 360
 caacaatcaa cacaagacgg gct 383

<210> 26091

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-C9

<400> 26091

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 ggctgggtgat ggacttcgtg aacaacgggg aggtgtccgg ggtcacgctg ctcaactcca 120
 agttcttcca catgaacatg taccgggtgca aggacatgct gatcaaggac gtgaccgtga 180
 cggcgcccgg ggacagcccc aacacggatg gcatccacat gggcgactca tccgggatca 240
 cgatcaccaa caccgtcatt ggcgtcggtg acgactgcat ctccatcggc cccgggacct 300
 ccaaggtgaa catcacgggc gtgacctgcy gccctggcca cggcatcagc atcggcagcc 360
 tacggcggta caaaggccga gaggacgtca cggacatcaa cgtcaaggat tgcactctta 420
 agaagacgat gttcggcgctc cgca 444

<210> 26092

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B12

<400> 26092

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 gatttgata attggagaat atgctgaaag aattgacaat gcagatgaac ttcttgagag 120
 cttcttgga acattccctg aagaaccagc attagttcaa ctgcagctgc taaccgctac 180

tggttaaattg tttcttaaga agccaactga ggggccacaa cagatgattc aggctgttct 240
 caataatgca acagttgaaa cagataatcc tgatttgagg gacagagctt acatatattg 300
 gcgacttctg tctactgata ctgaggctgc gaaagatgtt gttttggcgg agaaacctgt 360
 gatcagtgat gactctaacc agcttgactc atcacttctt gatgagctgc tagcaaacad 420
 ttctactctt tcatcagttt atcataagcc cccagaatca 460

<210> 26093
 <211> 293
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H5

<400> 26093

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 tcaccggccg gggagggctc agaaaccttt catccaatac atacatctat ctgagccctt 120
 tcccgcggtg aggcccgacc ggagtcacac cacacacaca cacggtgtcg atggcgccgg 180
 taataaggag ccgccgcgtg tccgttgtct tctacgtcgt cctcgccgca gctgcagccg 240
 cggcgccaggc atccaataac gtcaccttcg acgaggatta ctgggcggag cgc 293

<210> 26094
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H6

<400> 26094

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 tgtccgggca ccattgatcc gacctcccct aagccatcga tgagtagaga aaaacagtga 120
 acgccacctc tgtactcgcc ccaccttatg gcgcgtcgct cctgcagtac cggccccacgc 180
 tctgcgcggc gctcaggtgt tacggctgcc ctcaaaccgc tcgtcggacc attggcactg 240
 gggcaagcaa aagcacggac aggtgctcgg cgtgctgcaa cggct 285

<210> 26095
 <211> 133
 <212> DNA

<211> 152
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A10

 <400> 26098

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 tgtgtttatg ttcgccggtt tgaggaactc tctgatccgt cgtgacacaa agttgatgct 120
 gagagaacga ccgagtattt tttttttctg cc 152

<210> 26099
 <211> 463
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A11

 <400> 26099

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 gcagcgcagg tgtgaaggaa gggggacgcg gaggaagatg gggctcgcgt tcgggaagct 120
 cttcagcccg ctcttcgccca agaaggagat gcggatcctc atggtcggcc tcgacgccgc 180
 cggtaaaacc accatcctct acaagctcaa gtcggcgag atcgtcacca ccatccccac 240
 catcggtttc aatgttgaaa ctgttgagta caagaacatt agcttcactg tctgggatgt 300
 cgggggtcag gacaagatca gacctcttg gaggcattac ttccagaaca cccaggggtct 360
 tatttttggt gtggacagca atgaccgtga ccgtgttggt gaagccagag atgagctcca 420
 caggatgctg aacgaggatg agctacgtga tgctgtgctg ctt 463

<210> 26100
 <211> 462
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-044-Q1-K1-A12

 <400> 26100

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 tgtaaatacta ttatattcag aacccccaga ggctcgaaag tcagagatta gatggaggct 120

ctatgtat ttt aaagatggtg aaccactgaa tgaaccactg tatgttcacg ggatgacctg 180
ctacctttttt ggaagagaaa ggaaagttgc agatgtcccc acagatcacg cctcctgcag 240
caagcaacat gcagttcttc aatacagact tgtggagaag gagcaactag atggcatgat 300
gacaaagaaa ataaggcctt atctgatgga tcttgatagt acaaattggaa ctttcatcaa 360
tggaaatcgc attgagcctc ggcgatatta tgagttat ttt gaaaaggaca caatcaagtt 420
tggcaatagt agccgggagt atgttttgct ccacgaaaat tc 462

<210> 26101

<211> 88

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A2

<400> 26101

gacgtccata gttgctgtat aaggcatgat ttgccatcat tctgttgctt cggatgatgct 60

tgcaatgcaa tgagaatgtg ttggaacg 88

<210> 26102

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A3

<400> 26102

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gatatcatgg aaaaccatct tgctgaaatg cagtatcaga agttacctcg gaattttgtg 120

cagtgggtta atcacggtga taccttttgg tactaagatc gcaattactg gaattcaata 180

tgtcgccagc ttcacagggt gggcattaac acggatctga gtagtagatt atagagtgat 240

atggatgctg cggcaaggca tttctcccgt gatatactcc gcaccatccc caaagtcctt 300

tattgggtcca cgtgttttta caatgggtga gtagatagat atctttctgt tgaaagaaaa 360

tagagatgat aattaggctt attattgttg acctgaaatt gtcattattc atggggga 417

<210> 26103

<211> 207

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-044-Q1-K1-A4

<400> 26103

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gctcgcgac gatgganggc tggactaat ctttgaggag atattaattc caactgggct 120

tcagggtggc tgaaaaccag gggtacaaa ccgccaggta aatttgagacc attaggaagg 180

gggtggaatgg attaaaccgg gccaaagt 207

<210> 26104

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A5

<400> 26104

gcgggaccggg ccgggagaaa caaaactgac aaggacgata tgggtgcgtag cctcgtcgcg 60

ctgatcctcg tcgccacggc cgtagccgac gtggccacag ccgcaccctc gccgggggtt 120

gtcgtcaccg gccgcgtcta ctgcgacaac tgccgcgccg gggtcgagac caacgtctcc 180

cacgccatcg aaggcgcgac ggtggagatg gaggccgctc acttcgagtc gcaggaggtc 240

cacgacaagg cggaggcgac gacggacgcc ggcgggtggt acaggatgga gatcagcggt 300

gaccaccagg acgagatctg ccaagtgtg ctgctcaaga gccccgaagc ggactgcgcc 360

gagatcgagc gc 372

<210> 26105

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A6

<400> 26105

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tgccgtccgt tgatcgatct ggccatggca caaactgag atcctcgtcg tcgtgagccg 120

aacgttaatc cggcggacgc gggggcgggg ccattgctgc ggcggcagct atgaggacaa 180

tcacgtacgc c

191

<210> 26106
<211> 346
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H3

<400> 26106

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ctattatggtt gttaagccaa atgacactgg ttttcaggta actatgggttg gcttcaatga 120
caaaatgaga acccttttgg agactgttat tggaaaaatt gcagaatttg aagttaaggc 180
tgaccgtttt tctgtgataa aggaagctat gacaaaggag tatgagaatt tcaagtttcg 240
gcagccatac caacaagtec tatattattg ttcgctaata ctggaggacc aaacatggcc 300
atgggatgag gaattttctg cactttctca ccttgaagct agtgat 346

<210> 26107
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A8

<400> 26107

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agggccatcc gctgcgggtca gtgtaggttt ctgaatcata gcttggcgat gcctgaggct 120
agacaaatac tgagctagcc ttcagaaaaa aaaagaaaag aaagagattg agaagcaggg 180
agaaaaaatg gcactggccc attgaggaag cttgagaacc agttaacaag aattgccaac 240
atattcttgg acaatcttgt taacagagtt ttaaggtttc ccagcagaga agagcgcgtg 300
caaccaccac attcatataa ttaataagca aggttttagag aagaggcaac atgggcacaa 360
agatgaagaa ggggatcctg aagccgttcc gctatatctc aaccatcatg gatggtaagg 420
aggctgaaat gcaaattgg 439

<210> 26108
<211> 463

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-A9
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 agcaaagtcc gcaactccat cctgcctgcg ctctccccgt cctccgtcct cactcagcac 180
 ccgcgcacgc cgctgcctg tgcattgaga tctctttcac gcccccttct gccatcgcac 240
 aactgagccg cagctagtaa catccatttt gctggtcagt aagtcgtggg aggaagaaga 300
 tggattatth gaaggtgcag gtggtagagt catcatttgt agtgccgagc gagccgacgc 360
 caacgaaggc gctctggctc tcttgcttgg acatggttca gtccaacaaa gccacacccc 420
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<210> 26109
 <211> 408
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-B11
 <400> 26109
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 gcgcaaactt acaaacacat acatgcaacc ccgtcgctct actataacca cactctaaaa 120
 cccattcatt cgacgtctta acacaacttt ggtactgcc aaccaccagtc gactccccac 180
 ttattttacac cgcagcaa at gcgaaaacct tcagcttacc caatttaaaa cattccctgc 240
 caaaccacct ttcccaacat ttactcatcc tgaatagccc atgacacacc ccctttacca 300
 acacattaac cccctcaatg tgcaaatggt acgcgccttg taaccgctac attagcccg 360
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<210> 26110
 <211> 446
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-G1

<400> 26110

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ggatactggg gctattgcta gttcattggc tgctaaactc tatggattgg atgttcttgc 180
tgagaatatt caggatggca aaaataatgt caccggttta tgatgctagc tcgaaaaccc 240
aacattcttc gcaatgatag accattttaag acaagcatag tcttttctact agaagaagga 300
catggacaac tctntagggc gcttgggtgta ttcgcacaga ggaaaatcaa cctcacaag 360
atcgaaagtc gtccacacaa ggagaggcct cttecgagtat ctgatgactg ttccttactc 420
ttaaaagatt ttgattacct ctttta 446

<210> 26111

<211> 240

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G10

<400> 26111

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gtgtcattaa cggtgttcga ttattaatcg atccagtttg gccccacaac tagaaaagga 120
aaaaatgcac acatcttata cttgctactt ctaggatctt ttcatatgtc ttaatttcaa 180
tcgagggcga ggccagaaga agccaaatta ttgcaaatac tcgttaagcc ttgttttagtt 240

<210> 26112

<211> 415

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-G11

<400> 26112

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cgattccccac gctatagttt ttgtacacaa gcaggatcat tttaagaaga tatatgtcaa 120
caacaaccgc tacattacga cagccaccac catgagcaac cggtgctctg gatcagacca 180

ccacaaacac aaggatgttt

aaaaactaga gttcttcaat gtttcgacag gtctggcgaa ccacaaacac aaggatgttt 240
tttcatgggt ccttattgtg ccctttcggg cagcatgagc atcctcctgc actagtcggc 300
tgtccagctc tgctccacaa tctcgcggac tttgcggntg tactcccgtt ggttctcgtt 360
gaacagtctt gcggcttctg agtttgcaag ggagttccgg tttggatcac acagc 415

<210> 26113
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G12

<400> 26113

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gctattgact acagacaaga agttagaatt gtctgagcaa aagagctata cttccgtagc 120
aaatggtatg tctggtgtgc tcgagctttc agaggcatcg attgaatcat ctggtgcaaa 180
agctgctgca tgtggaactc tttcggttct ttctcaatg tcaaataaag tttacaatga 240
ccaaggaact ccagcagcat tcagagttcc tgcaggtgct gtgattcctt ttggatccat 300
ggaggacgcc ttgaagaaaa gtggatcaat caaatcctac actaatcttc tagagaggat 360
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<210> 26114
<211> 303
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G2

<400> 26114

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ggcttcattg acatggagat tttttcccca cctgatgtca gtgcaaaaag tcaccaactc 120
cgattgctag ctgtaaataa ctgccttacc tgaagatact ccattcctct gattaaaagc 180
tggtgacggt gtcattaagg gtagaaaaga acgagcttgt gaagggtcaaa tttctgcgaa 240
gccatggatt tctgtgctta caatatgttg ttttcaatcg gactttcctt cttttttctt 300
gtc 303

<210> 26115
 <211> 376
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-G3

<400> 26115

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 catcgctccg cgacgattct gattccgacg acgatgggtc agcttgagcc tgaccgatga 180
 cgcggttttg ggttaccggt gccactcaaa atacgatccc ttttattgta aaagagggat 240
 cccttctttc cattgcattc ttgcaatccg tttcttcttg actatgtttc ttcttgacta 300
 tgtaacgata ataacatgag ataattatct gaatgacatt atatnttttc taaaaaaaaa 360
 aaaaaataat aattat 376

<210> 26116
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-G4

<400> 26116

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 tttggttact ctggaaatac gagggatgat atgttgccac tttcaagtac ttccgaggaa 120
 tctcgcttta tgaaaatgga gaacaataat tcccgaaaaa caggaagtgc tggttgctgct 180
 ctcaaagaac tttgcactgt tgagggatat aacttagttt ttcaagcctg tccatcttca 240
 gcagatgggt tagttgggaa agaattttat gctcaggtac aagttggtgg acaaattcta 300
 ggcaaaggag ttgggttaac atgggaagag gccaaagctc aggctgctgc tgaggctctt 360
 ggaactttaa gatccatgct atgtcaactt ggtcataaac gatctggctc tncaggtcat 420
 tggcaccaaa ttttaacaag cg 442

<210> 26117
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G5

<400> 26117

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 atcgaattcc ttcctatcga attcctatag taaaattcct ataggataga acgtacacag 120
 ggtgtacaca ttatatatga atgaaacata ttcattaact taagcatact ccttttttta 180
 tttaatgagt tgatattaat taaatatctt tttttttaga tttttgcaaa ggtttcattt 240
 acgcctaadc catatcgagt agaccctgtc gttgtgagaa ttcttaattc atgagttgta 300
 gggaggggact tatgtcacca caaacagaaa ctaaagcaag tgttggattt aaagctgggtg 360
 ttaaagatta taaatggact tactacaccc cggagtacga aaccaagat actgatattc 420
 tggcagcatt ccgagtaac 439

<210> 26118
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G6

<400> 26118

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 ctctgcgtg gtgtgacaga atattgtggc gtggatgagg gattgtacag ttatcctact 120
 accgcgggga gtctagattt tctgataacc gttctgtttg tggaaccttc gctgttgagg 180
 ttgaggtgag aaacaagaag acaaacaggc gctcatcaaa tgctgacatg agaattgatg 240
 ctgaagagct cttaccacag ggcaagggtg aaagagatga gaatcatgtt gcacgcgagg 300
 aggataggct agtattgcag ccggactcgc agatgccgta cg 342

<210> 26119
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G7

<400> 26119

cggacgcgtg ggccggcgct gccgccccac gtttgggtgct caggtcttcg tggggccctt 60

agccggcgac gagcatcacc agctgaaaga tggcgaggat accgtctctg aagagcctca 120

atgcgtttcc acatgcggag gaacacttgc tgaagaagac ttactctggt gctgctgcga 180

caattcttgg gctacttata atgattacac tgtttgtaga tgagctgcag tcttatctca 240

ccacatacac agtgcacag atgtctgtag atctaaaacg aggagagact ctgcccattc 300

atgtcaacat gtcatatgct tctatgccat gtgaagtatc gagtgtggat gcaattgaca 360

tgtctgggaa acatgaagtt gatttgcata ca 392

<210> 26120

<211> 203

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G8

<400> 26120

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acgacatcca caaggcgga ggggaataca cgtgcatata cgcgccggct atcatggcct 120

tggttccggt ttcggtgact actaccggcg acgtcact atgcctatgc atcggtctct 180

gctgtgccgc tgatgacgac ccg 203

<210> 26121

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-G9

<400> 26121

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tcgtgcatgg tgagaaggca aagtcaaagg acaacgatgc aaaagcgcc gggcccggtg 120

ggtccttcga catcaccaag ttgggcgcct ccggcaatgg caagacggat agcacgaagg 180

ctgtgcagga ggcgtgggca tcagcgtgcy gcggcaccgg gaagcagacg atcctcatcc 240

ccaagggcga cttctctgct ggaccactca acttcacagg cccatgcaag ggcgacgtga 300

ccatccaggt gaatggcaat ctgctggcga ccacggacct aaaccagtac aaggatcatg 360
gtaaatgga tcgagattct acgcg 385

<210> 26122
<211> 424
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-H1

<400> 26122

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gagggggtat ggagcccgcc gagcgaatcg agtccgggac ggcgctgggg aagcggccga 120
ggagcagggc gctgccgcgg acgcccagca tggtgacggt gccgtcggcg gcgaagcagg 180
ggcgccagga gcggcgcgcc gtctcgctgc cggctgccgg cactgggacg ggagccgctg 240
ccgccatgcc ggtgggttac tggtactact acggcggctc attcgccgcg gtggagacgg 300
cggccttctt gaaggcgtgc ggccgatgca gccgncgnet cgggcccggc caccgacacct 360
tcattctacag gggcgagggtg gcgttctgca accaggagtg ccggggagaag cggatcgagt 420
acga 424

<210> 26123
<211> 467
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H10

<400> 26123

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tgctacagga tgggaactcg cccttggttac cgcaccgagc aacacgactt catctgcgtc 120
tgtcggtcaa ttgggtggtg gatttgacaa gtcattttg gacagccttt atgatgacgg 180
ggcctacagg cagaggcaac agcaacagggt gtatggttca gcagtgccta atccattcat 240
gtcaaatgat cctttcgtga tgtcaaacca agttgctccc ccaccatcag ttcaaatggc 300
tgccatgtct cagcagcatc agcagatccc cagcatgatg caaccaaata cttttggacc 360

acctatgcag ccacaggtag gcatgggtcc agcaacaaac aatccctttc tggatgctgg 420
attcggggca ttcccagtgg cgaacaatgg ccatcagcaa cacaacc 467

<210> 26124
<211> 323
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-H11

<400> 26124

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gcctccgagg gccctgcgag cgccagcggc ccgtctggtg acgacgcgcc ggcgctccgt 120
gctggtgcc a ggcgctcggc tgctgatgct ccgcgccggc ngncatcc ggteccctcta 180
gcgcaccagc gccatcgctg tcgtctgagt cctccgcgc accaggccca tcttctgatg 240
gcacctgcag cgcgccagca ccatcgctcg gcgacgattc tgattccgac gacgatgggt 300
cagcttgagc ctgaccgatg aca 323

<210> 26125
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H12

<400> 26125

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aatggacgct gagcagaggc aaagtccggg tggcatgtgg gggttgatcg ctggaagccc 120
gacaccagca gtttagttcc gtgattcata tattttactt gtaacattat atatcatttg 180
actgacaccc tctacaattt ttttatttgg gtacttacgg cattcgtgtt cattttggac 240
ccacaaagaa taagggtgtc tagcgatcgt tatactcaca attactcaa atgtattctt 300
taggtttagc aagggggtgc tcatgttagt cgatgtgctg gttatccttt tgacgctgtg 360
ctggtttggc tgtec 375

<210> 26126
<211> 284

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H2

<400> 26126

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 gagatccgga acgattgagg cgaacacacg tacattcacc cggaggcaat aatggctttg 120
 aaccgcggtt cggcgatgac tacagcctat ggcgtgctat tcctacgcta ccggctcacg 180
 cgtgccgcgg ctctcaaccg gtacctctgc gattacatca tccaggggac catgtactgt 240
 gacacctgcc gaaccacgga caggagcaac gtcagcgagt acat 284

<210> 26127
 <211> 351
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F9

<400> 26127

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 gccatacat accctggaac aaattgtatt aattgtcaca gattgactgc actcagaatt 120
 acacagcatt cttttggaca tttggtgggt aaatatgaaa tctctttggg aatataacctg 180
 tatatgcagt ggtagagaat atcgctgttc cttttatggt ggatgcactg gaaagggag 240
 aattgtactc tgaccagcca cagcatctct tttgatcatg tctatattct gctctcagt 300
 aaaaaagaga ttccattatg tcatttaaca cggaccacca ttatgtgag c 351

<210> 26128
 <211> 317
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E3

<400> 26128

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 ggcgcgcgga gtcgtcgatc gtggaggcgt tcacgtgtc gccgtgccg taccgggtga 120
 tcctggtgct gctgatggtg acgctgctgc tgggcgcctc gtggttcttc acgtacgacg 180

acttcatcga ggaggcgctg cagcagctga gctgggcgct gctgggctg cccatcgcg 240
 tcgtcctcct catccgctgg atctcctcct tcgactcctt cgagggtac ctgggcttct 300
 acccgaggga gagccgc 317

<210> 26129
 <211> 384
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E4
 <400> 26129

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 atcgatacga tggccgtctt ctccgacctc cacaccgccg acggcctcaa gtccctcgag 120
 gctcacctcg ccggcaaaac ctatgtgtct ggtgactcca ttactaagga tgacattaag 180
 gtcttcgccg cggtgccgctc gaagcctggc gctgagtttc ctaatgccgc ccgctggtag 240
 gagaccgtct ctgcccgtgt agcctcaaga ttccctggta aggctgttgg tgtaaactctg 300
 cctgcgggat cagctcctgc ggcagctgct cctgcggatg aagctganga tgatgatgac 360
 cttgatcttt ttggtgatga aact 384

<210> 26130
 <211> 393
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E5
 <400> 26130

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 gaatgccagt cgcgtttggc acgacaatac acaagtgtcc accggagtag ctggacctct 120
 cgcaaccgca cggtaggagg acgtgcccgc gtggctgcgc ctgtgcatcg gatttcgttt 180
 gttttctcca tgaattttgc atcgctgtt agtgctccct aatatttggg gcaaaacata 240
 tgtttagtag agggatatgg gtcgactcag attaagtaat tagcgagcca aatgtggtat 300
 cgtcgtccg ttattggtaa tgtatctgct gtggtataaa tgtatctgct gttggtatac 360

attatgaaat cacattntaa ttntctatgt agg

393

<210> 26131

<211> 406

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E6

<400> 26131

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gaggcaggtg ttaccgttgt cgagtcacca gcgaagattg gctctaccat gtttgaaatc 120

ttcaagcagc gtggaatggg agaataagacg atggagacat tgagaaaaccg cattttgatg 180

ctcatgggca attgcgagca attccttcca tggcctcaaa caaaactaat gaggctacct 240

tttcttacgt gccttctgtt tggaagatgg cctcttcacc tggatcacct tccaatgagc 300

tcattttcaa taagacgttt cagagccatg gacatgcttg gagtcaatgt gaatgcctaa 360

tttcgaattt ttattgttta cacatgtcaa tctaggttta ccaatc 406

<210> 26132

<211> 459

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-E7

<400> 26132

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agctgggaga aactgcggaa ccagaggtca aggtgctgga cctgaccatc ctgtcacctg 120

gcagaccgga cctgatcctt ccgatcccggt tccaggctga cgagaagggc tatgcgtttg 180

ccctcaagga cggcagcccc tacagcttcc gcttctcctt catcgtctcc aacaacatcg 240

tgtcaggcct caagtacacc aacactgtct ggaaaactgg agtcaaagtg gagacccaga 300

agatgatgct ggggacgttc agccccagc tagagcccta tgtctacgag ggccaagaag 360

agaccacccc tgggtggcatt tttgcgagag gttcttaatc tgccaaacta aaagttgggtg 420

atgatgatgg caagtgcctn ctggagatga gttactact 459

<210> 26133
 <211> 455
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-E8

 <400> 26133

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 gaaggtccaa actcttcaga ctgaagccac caccctgtca gctcaactta cactatttca 120
 gagggacacg accggacttt ctacagaaaa tgcagagctt aagataagtt tacaggccat 180
 ggagcaacag gctcaactcc gtgatgctct gaatgatgca ctaaagcagg agctggagag 240
 gcttaaacad gctactgggtg agatgaccaa ttccagcgag gcatataaca tgagattcca 300
 acatgttcca tacaattctt ccttcttccc gctttcccag caaatgcat ccncacacct 360
 tggtagcacc cagctgccac tgccgttcca cccaccccat cccaacgtgc caaaccacca 420
 gatgcgaaac actcttccgg acataatgca gcaag 455

<210> 26134
 <211> 425
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-043-Q1-K1-E9

 <400> 26134

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 ggaaccagat cggctccaag ttctgggagg tgggtgtgca tgagcacggc atcgacccga 180
 cggggcggtg catggggacg tcggacgtgc agctggagcg cgtcaacgtc tactacaacg 240
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 tggacgccgt ccgcacgagc ccctacggcc agatcttccg cccagacaac ttcgtcttcg 360
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 tcgac 425

<210> 26135
 <211> 357
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-F1

<400> 26135

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aatctaggca gcgcgggtgt tgggtggcctc caacgaggcc tctcctcgac tgacgtggtg 300
gacgcgacag ccatcgagcg canggtggag ataatggtgt tctcgaggat cctcgcg 357
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<210> 26136
 <211> 472
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F10

<400> 26136

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gctcggcacc cggttccccg cggctcgaat caaaaagata atgcaagcag atgaggatgt 180
tggaagatt gcactagcag ttctgtttt agtttcgagg tctcttgaat tgtttttaca 240
agatttaatt gaccgtactt atgaaattac tcttcaaagt ggagcaaaga cactgaattc 300
cttcacctg aagcaatgtg tgaagaggta cagttctttt gatttcctaa ctgaagttgt 360
cagcaaggta ccagatcttg gtggcgctga ttctgtgga gatgaaagag gattacctag 420
aagaaggtaa ggtcatttgt aatcaacatt ttatgattca attggctcac gt 472
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<210> 26137
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F3

<400> 26137

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cccctgcgac tacttcagga acgagcagag catcccgcca ttgctcaagt gatcgatgat 180
acccggtccc atccagatcc ttctgaccgc gccaaagcaa aggacgacga gtcgtacatg 240
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gcatggcgag ttagctacgt agttggcatc agccacatgc atgacattaa aacacaagct 360
gacagccggc tacccaaagt aaataagata cgcgacatac acttgctgac caattagtat 420
ggctggttct tcttttttaa tatta 445

<210> 26138

<211> 478

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-F4

<400> 26138

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gaggtaccca tccccagga gatgttctcc ggcggcgccg gcggcggtc ctgcgggttc 180
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gcgccgctcg tcccgtgcc cgtcgccgct gtctgccgcg ccaagcagtc gccctgctcc 360
gtcctctgcg agcagctcaa gaccggtcca atcgagtcgt cctccgcaa gtacatcggt 420
cagcagtacg tcgcggcgct gggcgngag tgggcgctgg acagggtaa gagcatgt 478

<210> 26139

<211> 466

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-F5

<400> 26139

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tgcctgaagc gtgcatatat atattcctgc caagataaag gtaatggagt cgtcacgcag 120
gttccagccg gccgtcatcc tgcttctect gtcattgtg tccaccgata tggcacaggc 180
aagggaatgc gagaagtaca gtgagcgatt tgttggggca tgcattgatc cagacaactg 240
cgccaatgtg tgccgcggtg agggcttctt ggccggcagg tgcagcacct tccgncgncg 300
ctgcatctgc actaggcagt gctaaacaag atcgctcgat cgctcggcat gcatcgacaa 360
cctattctta ataacgttca ttatctcggc cctatttatg acgaatgtca tgtatgttct 420
tgtgactggc atgtatatcc tgatgactgg catggatctt ggcat 466

<210> 26140

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F6

<400> 26140

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gagtggagtc gcgatgacgc tggccgtcga cacgaagcgc gcagcgctga gtgtatgcgc 120
tgagatgctt gtctacatga cgctggtgtt caacgagttg aggaatacgc tcgagaagca 180
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agcaagcgcg tccggataaa gacgctggtg atttgtggtg tggtagacaca tgaatgaatg 300
atacgagagg cttgttccca cgctcgtgta cgaggactat ggaatagcaa atctggtgct 360
accaacgagg cattacctat atg 383

<210> 26141

<211> 81

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F7

<400> 26141

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accacgcctt tgcattgaga c 81

<210> 26142
<211> 304
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F8

<400> 26142

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actggtctga ttaacaagga gagtcttaac ctacatcacg acaacgcaca aagcaaccaa 120
ctccaattgc taactgccga tgacatgctc acctgaagat actgcattcc tttcattaaa 180
agctggtgac ggtgtcatta agggtagaaa agaacgagct tgtgaacgct aaatttctgc 240
gaagccatgg atttctgcgc ttacaatatg ttgttttcaa tcggactgtt cttccttatt 300
cttg 304

<210> 26143
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E2

<400> 26143

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acaggttgcg atggttgtgg cgttggtgtt cttggtgagc ggcgcatggt gcggtcctcc 120
caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc tggacgctaa 180
agcgacatgg tatggcaagc cgacgggtgc cggccccgac gataacggtg gcggctgcgg 240
gtacaaggac gtgaacaagc ccccttcaa tagcatgggc gcatgcggca acatccccat 300
cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata agcctgtgga 360
gtgctccggc aagcccgtgg tgggtgcacat cacggacatg aactatgagc ctatcgc 417

<210> 26144
<211> 391
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C9

<400> 26144

cggacgcgtg ggaaaaaaaa aaaaaaaaaat ttaaaataaa aaaaaaaaaa aaaaaaaata 60

agagaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaatataaa 120

attaaaaaaa aaaaaaaaaa aaaaaaaaaat aaagggtgac cttttaaatg gtcaaaaatt 180

tctttaccct tattttcaaa attatatattt tttaatagtg aactaaatt taaattcttt 240

tcctactttt taaaaatttc ttaattggaa aaactcttgc gttaataatt tttatccatt 300

ggacccaaaa cctcttttgt caagatgaca taatagaaat aaggccctat ccattggatt 360

ttcctaagat tcctacacct ttattgggaa a 391

<210> 26145

<211> 448

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D1

<400> 26145

cccgtccgat ggcncntntc taccagannn agctatgggg aggggcntac cagacatngg 60

gtcggttggg acagccnnnt caacagcagt ggtcagagct catgcatggc cattggcnng 120

ngatccantc nnaccatgtn nctgtggacc caacaacang nctagtgttt gggcttctaa 180

acaaagtgan nctcccgcn acttggcatg ctnnttggac atccnnntgg tctcaaaagg 240

gcncnntgtc attggtgggc anngctacnn tcggtnttgg gcaccagcan tnncttccgn 300

ngcccggggc cgggtgtccc caatgctnnn ttgagtgagg gggatgcact nnggcacatt 360

ngctctgatg ggaccaataa agtttcccaa cttggagaca cttcaaggga tttatgagng 420

gagtggacct attgatcttg gggaaagc 448

<210> 26146

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D10

<400> 26146

cccacgcgtc cgcaccttcc atcgacaaaa tggaggtacc ggcctcccc cagggtgccc 60

ttccatgcat ggcgttgccg cggccgtccc cgcaatcaac tcccagatct cgtgctcacc 120

tccccgcaat caaggtcgtc acgcccgatg aggatggccg cgagtcgccg cacggcggtc 180

cgggccccag cgatagctcc ggccgaggcg cgaggaagaa gctccggctc accaatgagc 240

agtcgacgct gctcgaggac accttccgcg cccacaacat actctccaac gcgcagaagc 300

aggagctcgg acggcagggtg gatctcagcg ccaggcaggt tcatatcgtc ttctgctgtg 360

atgtagttagg ttcttcttca attctctatg tggggaaaac attaatggg attttcccag 420

caatcagctt gataggcgac atcatca 447

<210> 26147

<211> 463

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D11

<400> 26147

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ggatcggtcg gaacagcatt tttgtccaag ttcgaatgtt ctcagatgcc acatccactg 120

ttagagcacg tgaccttcgt ggacactcca ggagttttat caggggagaa gcagcggacg 180

cagcgcagct acgatttcac cggagtcacg tcgtggtttg cggccaagtg cgacctcatc 240

cttctcctgt ttgatccgca taagctggac atcaacgatg agttcaagcg tgtgatcggg 300

tctctccgcg ggcgatgatga caagatacgc atagttctca acaaggccga ccaagttgat 360

gcacagcagc tgatgagagt gtaccgagca ctgctgtggt cgctcgggaa agtcctgaac 420

acacccataa gtcatgcgtg tctacatagg ttcattcaac gac 463

<210> 26148

<211> 326

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D2

<400> 26148

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cggtgctctt ctacatcctc gccgttgctg ccctcagcgc ggccgaggcc ccggcagagt 120

caccgaagga aggcagtgct gccaaaggcac ctgagtctgc caagagaact gctgcccccg 180

ctgaagcacc cgaagccgca tccacccccg tcgccgccgc tgccccatcg ccgtcgtcta 240

ggaagtctgg tccagctacc ggcgcagcca ccgnctctac acccccttct tccacggacg 300

aggagttgag cccttccccg ccagca 326

<210> 26149

<211> 305

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-D3

<400> 26149

cccacgcgtc cgcccacgcg tccgcccacg cgtccgcccc cgcggtccggg ggctctccca 60

ggaggacctc gtctgtctct ccggcgcgca ctccatcggc ggcgcgcact gcttcatgtt 120

ctccaaccgc atctacaact tctcccagga cgccgacgtc gacccccacgc tggacccgga 180

gtacgccaag tggctgcgcc agatgtgccc gccgcggcag cccggcgacg accccgagca 240

agcgcccaag gtgaagttcg acgcgcagac gngggagcgg ctcgacgtcg cgtactactc 300

cgagc 305

<210> 26150

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D4

<400> 26150

cccacgcgtc cggcgacacc tgccgcgccg ggttcgtgac caatgtcacc gagtacatcg 60

cgggcgccaa ggtgaggctg gagtgcagc acttcggcac cggcaagctc gagcgctcca 120

tcgacggggt gaccgacgcg aacggcacgt acacgatcga gctcaaggac agccacgagg 180

aggacatctg cgaggtggtc ttggtggaga gcccgcgcaa ggactgcgac caggtgcagg 240

cggacagggga ccgcgccggc gtactgctca ccaggaacgt cggcatcagc gacaacctgc 300
 gccccgacaa cccgctcggc tacttcaagg acgtgccgct gcccatctgc gcctcgtctgc 360
 tcaagcagtt ggactcggac gacgacgacg atcagtaata gcacatcgtc gacgaccgca 420
 gactggctgg cac 433

<210> 26151
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D5

<400> 26151

cacacgcacc cacacgacac atccagatga tgcttagggg ttccccgtcc ccggccgccg 60
 cggtgccaac ccagctctcc ggtgcgcccc cgacccctgc tcccgtcgtc aggggtggcgg 120
 cgccgcgcgg agtcgcctcg ccgtccgctg gcgccgcgtg cagggccgcg ggcaagggga 180
 aggaggtgct cagcgggggtc gtgttccagc ctttcgagga gatcaagggg gagctcgccc 240
 tcgtgccccca gtccccagac aagtcgctcg cgcgccacaa gttcgtcgat gactgcgagg 300
 ctgcctcaa cgagcagatc aacgtggagt acaacgcctc gtatgcatac cactccctct 360
 tcgcctatatt cgaccgcgac aacgtg 386

<210> 26152
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D7

<400> 26152

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 ctgtttgcaa cttcattaca aatgttggcg gggtgactcc catgatacct ttgccaccac 120
 cagcactacc tgcatacagt ggaacttcat atatcatccc gtcaatttcc gtgccgacga 180
 atcaaccgcg gaatgtaact gttgtcgttg aaaacccaat gacagtagat gacaagggaa 240
 aattggtgag caatgttgta gtaggggtta cgagcggcgg gaaaaagtga cggcatatca 300
 caaccgtgtg tagctttgtc caaactatct aaaaagggtt taagaatata taccttgtat 360

catactgctg tttggcgatc g

381

<210> 26153

<211> 219

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D8

<400> 26153

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aatggatgag tgctattaca tatgtggcat cactcaaagc atgacttcca tgttgaacta 120

tctttcacct tagcaaacct aatatactaa tcgacattag aatcctctaa atacttataa 180

ctatagcctc atttacttat tccactgaaa cacaacata 219

<210> 26154

<211> 444

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-D9

<400> 26154

gggatggggt tcaaaaatga agtttcaaatt aaatctattg ttgagccac tcttgaattt 60

gcaattgtac aagatgcaga tcgcttggat gcaattgggg caattggtat tgcaagatgt 120

tttacatatg gtggtagcaa gaacagcgca ttacatgatc ctagaattct gccacgtgat 180

agcttgtcga aggaaaagta catgtccaag gaagagaagc agacatcaat caatcatttt 240

catgagaagc tcttttaaact gaaggacatg atgaagacag aggccgggaa aaagagagct 300

gagaaaaggc ataggttcat ggaggaattt gggggctgaa ttctacgaag agtggagtgg 360

cagagcttga gggtgaacaa ccaggttttg agcctatgtc aaagtgtgca gttggcgaac 420

cattttctcaa caacccatga tgat 444

<210> 26155

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E1

<400> 26155

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ttcgttccag cagacgagta tctttgtctt gcaacttggg ataccagagc tccaacacca 120
taccaaattg aaaaagctgc acgttgggct tgtggaaaga gatctgaggg gaagccggtt 180
tatgtccatt gcgcatttgg ttagaaatcc accttttgtt ataattaatt acaggattgg 240
atcttgatgt tcagattatg cacaaaatta tattttctgc tatttatgca atatattaac 300
tgtca 305

<210> 26156

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E10

<400> 26156

atcgcggcgg tgtcggtgaa ggggagcaag cgtgtcaagt ggacggagat gaagcgcaac 60
tgggggcaag tgtggcagac cggggaggac ctcacctgcg agtcgctgac gttccgggtg 120
atgaccagcg accaccgcaa ggccacctca tggcacgttc tccccgctga ctggaagtgc 180
gggtgtcacgt accaggcatc caagaacttc taagtagcca cttttctctc tcttcttcaa 240
cctgcatatg ccacaagca accatgcaga tgataacatg catcatgcat gcatattcat 300
tctttcgctc atgcattccg atatggtgcc ggagttaaaa aaatgtaaat caatgtgcaa 360
actcaaata catcttaacc agttgtgat 389

<210> 26157

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-E11

<400> 26157

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cgaagatgca gatcttcac cagaccctca ctggaaagac tattaccctc gaggtggagt 120
cttatgacac cattgacaac gtcaaggcca agatccagga caaggagggc atccccgcgg 180

accagcagcg gctcatcttt gctggcaagc atcttgagga cgggcgcaca cttgccgact 240
acaacatcca gaacgagagc accctcgacc ttgttctccg cctcagggga ggcattgcaga 300
tcttcgtcaa gacctcact ggaaagacta tcacctcga tgtggagtct tctgacacca 360
tcgacaacgt caaggccaag atccaggaca aggagggcat cctgcagac cagcagcggc 420
tcatttttgg cggcatgcag ctcgagga 448

<210> 26158
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-E12

<400> 26158

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cgcctaccgc tccaagatcg agaccgagct cgcccgcatc tgcgacggca tctcgcctt 120
gctcgactcc cacctcgtcc catccgccgg cggcgccgag tccaaggtct tctacctcaa 180
gatgaagggt gactaccaca ggtaccttgc tgagttcaag tctggtgcag agaggaagga 240
tgctgcggag agcaccatga atgcctacaa agctgctcag gacattgctc ttgcagatct 300
ggctccaacc caccocatca ggcttggcct tgctctcaac ttctcagtgt tctactacga 360
gatcctgaac tccnctgac gcgcctgcaa ccttgcaaaa caggccttcg atgaggcgat 420
ctctgagcta gaca 434

<210> 26159
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C8

<400> 26159

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ccgccgggga tgggggggagc gcaattcccc ggcgacaacg acgtcgcgga agtagacgcg 120
gcccgcgacg gagaggtgga ccgcctgac gtgggcaaga tgaagcacgg gtgcgagcat 180

taccggcgga ggtgcaagat cgtggcaccg tgctgcaacc aggtgttccc ctgccgccac 240
 tgccacaacg aggctacggc ttccggagat cggcatacaa tatgtcgtca ggatgttgaa 300
 aaagtagttt gcctactctg tgaaacaaaa cagccagtgt cacaagtgtg cataagctgt 360
 ggagtcaata tgggagagta cttttggata tatgcaaatt tatgatgatg atacagaaaa 420
 gggcagtacc attgcatcga ttggtgcata tg 452

<210> 26160
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-B10
 <400> 26160

cgcatacagc gagaagaagc ccagcagcaa gggcgcaagc gcaactgatc ccgcacacgg 60
 gtgatgttcc acatccatgc ctataggcca ctcacctcac cacgcagcgt taccggccgt 120
 actactatat ctacatacga ccgtgggaca acgtcgaccg gagctcgatc ggcgcagttg 180
 ccgcatgggc gtggctgtca aagttccttt gtttctttct tgatttgtgc ttgcgttggg 240
 ttcggtgttc cactttcttt ttatgtgatt attaatcttg ttttcaaaaa aaaaaaaaaat 300
 gcaaaaagct gaccgcgcta aacaacaaaa caagtcacac gcccgaaatca ggacggtcaa 360
 tggacctaga ccaagaactg gccccaaaaa aaaaaaaagg gcggcccttt ttaag 415

<210> 26161
 <211> 455
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-B11
 <400> 26161

ggcttctcct cccctcttta ccaagtcctc ttccgggttag ggttacttag ggttttgtgg 60
 aggggcgatg gcggcggtg atgtggagta ccgttgcttc gtcggcgggc ttgcctgggc 120
 caccagcaac gagtcgctgg agaatgcctt cgctctctac cgcgagatcc tcgactccaa 180
 ggtcatcacc gaccgggaga cggggaggtc tcgcggcttc ggcttcgtta ctttctctc 240
 cgagaactcc atgctcgacg ctatcgagaa catgaacggc aaggagctcg acggccgtaa 300

catcaccgtt aaccaggccc agtcccgtgg cggtggcggt ggcggcggtg gctacggcgg 360
 cggtcgcggc ggcggcggt atggtggcgg gcgccgtgac ggcggttatg gcggcggtgg 420
 cggctacggc ggtcggcgcg aggggtggtgg cggcg 455

<210> 26162
 <211> 366
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-B12
 <400> 26162

gaaggtggcc gggatccact ggcactacgg cacccggtcc cacgcggcgg agctgacggc 60
 ggggtactac aacaccgggt cgcacgacgg gtacgcgcc atcgcgcgca tgctggcgcg 120
 ccacggcgcc gtgctcaact tcacgtgctg ggagatgctg gaccacgagc agccgcagga 180
 cgcgcagtgc cgcggcgagg cgctgggtgca gcaggtggcc gccgcggcgc gggaggccgg 240
 cgtgggcctg gccggcgaga acgcgctgcc gcgctacgac gacacggcgc acgaccaggt 300
 ggtggccacg gtcgtcgaca gggccgctga ggaccgcatg gtggccttca cgtacctgcg 360
 catggg 366

<210> 26163
 <211> 417
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-B2
 <400> 26163

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 tgcaatgtac gcatcaccaa ctcaaccatt ggcaccggcg acgactgcgt ctccatcggc 120
 cctgggagcg acggtgtcat ggtgaacaac atcacctgtg gccccgggca gggcatcagt 180
 gtgggctgcc taggccgcta caaggatgag aaggacgtga gcgacgtgac ggtgcgggat 240
 tgcgtgctta ggaacaccac caacggcgtg cgcataaagt cgtacgagga tgccgagtct 300
 gtgctcacgg cgtcccatct caccttcgag aacatcagga tggangaggt ggccaacccc 360
 atcatcatcg accagtactc tttgccccaa gaggtcctgc cccgcaagcg aagcaac 417

<210> 26164
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B3

<400> 26164

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 acttcacgag cttgtgtgaa tagtctgggg taccgactgc ataaattact gcagattgcg 120
 acacctgtaa aagttacaca agaacatctt gatcgagctt accaggcaac caaatctgca 180
 gatctgatga acttggaatc aaggctctata gcatctgaag atattggaag acaggttctt 240
 acttatgtgg aaaggaagcc catctagtat ttctgaaaa cagatgacga gatcactttg 300
 aatgacattg tcgtaaccgc aaaggagatg atgtgtacac cactcactat ggca 354

<210> 26165
 <211> 473
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B5

<400> 26165

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 cccacgcgtc cgcccacgcg tccggttgag tggcaaccgc gtagcacaat aggagttgtg 120
 attgttgatt caagttacta cgtaagtacg tatattagag catgactaat aatgcgaata 180
 ttgttaaaat ggatacgag gagggcagga ggtgagcttt tgcattgtcta gatattagca 240
 gagtaacgag ggatcgattg ctatttgtga ttgtccccgc cccgtgtttg gctactcacc 300
 gttcaatttc ggtttctatc ccaatgatag aggcaaggt aaaggcatag agaccccaaa 360
 cttaaatacca aaataaacta caggaagaga gagggaagg accacaggag agtcattaag 420
 taaatccact tgttgtctga ttagggtagg aaatgatgac tgaaagtgc gag 473

<210> 26166
 <211> 475
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-B7

<400> 26166

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tggacatcga cctcttcccc gacatcgacc ttgacgccct cctcgccctc ttctccggcg 120
accccgccgc cgtctccggc ctcacatcc cgtccccgcc tccgccggcg ccggcgacgg 180
cgcacgatgc ggaggcgggg tcgccggagt cggtgacctc ccggacgaac ccgctcgggg 240
aggtggcgct ctcggagatc gagaggctcc tgatgcanga gggggaggcg gaactggggc 300
gngaggtcga tgggatcagc gtggaccagt tcttcgacgc gctgtacgac ggcgaggagg 360
cgaaagggtga gcgggaggcg gnggcaagcg cggatgtgga ctccggcagg gacgatgtgc 420
tggaagtcgt gacgccagag gcggggacgg tggangtga tggcgatgat cccat 475

<210> 26167
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-B8

<400> 26167

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gtgttcagct acaaccagat gggcgacgtg cccccgccg ttaacgggcc actccatgtc 120
atccccaaag tcataccgc cgagttccg accttcacg agatcgtctt cgagaacccc 180
gagaagagca tagactccct ccacctcgac ggctacgcct tcttcggcgt cgggatgggg 240
cctgggacgt ggtcgccgga gatgaggaag acgtacaacc tactggacac ggtgagccgg 300
cacacgatcc aggtgtacce gcggtcatgg acggcgatca tgctgacatt cgacaacgcg 360
ggcatgtgga gcgtncggtc caacgtctgg gaacggtact atcctcggga gcagttctac 420
atcag 425

<210> 26168
<211> 436
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-043-Q1-K1-C1

<400> 26168

cccacgcgtc cgaacgacct ggccaagtac acggcgagtt ggatccaggt gtcgcacggt 60
gacaacatcg tcatcaacgg ctccggcacg ctcgatggtc agggcaccgc agtatatacc 120
aagagcaaga ctgacgtcgt caaggcgatg cccaacacac tagtgttgtt ctacgtgacc 180
aacggcacta tttccggaat taaactactc aactccaaat tcttccacat caacatcgac 240
acttctaagg acatcacctg gaaggacgtg aacatcacctg cgcccgcgga cgtcgagaac 300
acggacggcg tccatgtcgg cgggtcctcc aatgtacgca tcaccaactc aaccattggc 360
accggcgacg actgctctn catcgccctt gggagcgacn gtgtcatggt gaacaacatc 420
acctgtggcc ccgggc 436

<210> 26169
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C11

<400> 26169

gtgcccagaa tggtgcaggt ctatcacctc caagctattc agctggagtg cagtctgagg 60
gactggatga cctttcacat tcccataagt ttgccgttgg tactagagtt caagctgtgt 120
ggagtgaaga tggagaatgg tataatgcaa ccgttgaagc tttgacacca aatggatact 180
atgtagccta cgatggctgg ggaaacagtg aagagtgga cccagataat gtgaggctgc 240
ttgaggaaga agcagctgat gccttgggac aagctgaaaa ggaagctgaa gctacaaaaa 300
tggcaataaa gaggaattt gaacaagcag caacatctga ttttcaggcg cgtagcttgc 360
cggccaaact tcgtatcgaa ccaagtgacc ctgaggatgt aaaagctgca aagcgtaaga 420
aaatacatgc tttcaaatca aaatcccgct ttgagcag 458

<210> 26170
<211> 339
<212> DNA
<213> Zea mays

tgaacgtgca gcagcccgt gatgttgccg gaccagcga aggggtggcg gcgatctcca 420
aagggggga 429

<210> 26173
<211> 472
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C5

<400> 26173

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ctgtcctcgc tgctgctgct gctccccag ccgctccgc ccggagcacg ccgccggcg 120
cgacgccggc gcgtcgcatt gatatggccc ccgcgtctgt ctacttcaat ccgcgtcgg 180
tcgaggaaat cttcaaggac ttctccggcc gccgcgggg gctcgtccgc gccctcacct 240
ccgatgtgga cgatttctgc agcttggtgcg acccagataa ggagaatttg tgtctctacg 300
gccttcccaa cgggagctgg gaggtgtcgc cgcggcgga agaggttcct ccggagttgc 360
ccgagccggc gctcggcatc aactttgcgc gcgacggcat gcagcggcg gactgggtca 420
cactcgtcgc cgtgcactct gactcgtggc tcattccgt cgattcttc ta 472

<210> 26174
<211> 73
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-C6

<400> 26174

cccacgcgtc cgaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaagaa 60
agggaacca att 73

<210> 26175
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-B1

<400> 26175

cccacactct gcttgacacg tgggttatgc cctgtttac tctaccgaa cttaccacca 60
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 aggactacct gtcggagctt gacaaggcca tcaagggtct ccatgacctt gtcgacgagc 180
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 gcacaaaaac cggacgcccc ttctgcgcct ttattaaccc agtctaactg gcgccccggag 300
 actacggcgg actggcaagt gccattagga tgctatgaca catcaacgac gagttttctca 360
 tcctatcata ctctgact 378

<210> 26176
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H2

<400> 26176

gtccggtggc aatgcttatg tgattggtga ctctgcgaag cccggggcaga agtggcacgg 60
 gtactacgcc gctgagcacc ctgaggagcc tgcgttact ctggagatgt gcatgactgg 120
 gctggacaag aagaaagctt ctgtcttctt caagaccact gctgatgggt actcgtctgtg 180
 cgccaaggag atgaccaagc tctctggtat ctgcgacatc atcccagaga tggagatctg 240
 tgacttcgac ttcgagccct gtggctactc catgaatgct gttcatggcc ctgctttgtc 300
 gaccattcat gtgaccccag aggacggctt cagctatgca agctacgagg tcatgggctt 360
 caaccgggc tctttctctt atggtgacct 390

<210> 26177
 <211> 319
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H3

<400> 26177

aatgtttcag cggcgccggc gcatggggcg gagggctctg ctgaacggcg accggtgtcc 60
 gccttgctgt ccagacgcga atcgatcat ggcgcccccc tgccagtctg ccacctcagg 120
 cacactcagc tgcgggtgtg gtggcatgcc tcggtatgct gacttcggct cttctcaacc 180

cttctgcctc, gaggcctgca tctcctcgac tcgtcgccga tctcttgtga tctgtctcg 240
acctcgcccc tcaactgaat attcaagaca tggaggatta cccagccata ggtttcactt 300
atctggggga gtttgatga 319

<210> 26178
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H4

<400> 26178

atcgacctga cggggcaggg ccacgaaaag ctctctccc cagttaccga cgtaagtac 60
gtcccgaacc agtgggtgctg gttcgacgac ggggccgagg acaagtccaa gctgcctagc 120
aacgtccagt atgcatgtgc gagcggcgac tgcacggcac tcggctatgg ctgctcctgc 180
aatgggctgg acgagaagag caacatctac tacgcgttca acatgtactt tcagatgcag 240
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ttcacgcgcg gctgcctggt cccgggtccag ataatcagtg ccagtgtctg ggtggcgcca 360
gctctattga tggcggggct attggcattg cttgtgaatg tgaat 405

<210> 26179
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H5

<400> 26179

gactcatcga gtgcaaagca gttgttatcc taagaaccat gcatatgcta ccagaataag 60
agagatgaga gcggttggtg gccaggctc ctgaaaaagg acatgtgttc ttgaagggtg 120
actggacaaa tggtaggatg aggatggcga agatgttgaa tgtagtatt tcacttctgg 180
ttgattatgt tttttcttat gcgcttgaca aatctagata tgcaaccaga catgctttat 240
tcttgttcct attttgtttt ccttatgtat taattcctta acttgtaatg cacatgatat 300
tttccttatg tattaatttc ttaac 325

<210> 26180
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H6

 <400> 26180

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 gggcattggc tacggcagaa actagtgtct ggctgccatt ggttgtggga ggagcagagg 120
 aaaacaaatt gttggttaca ctctgtacta ctgcgtcatg atattgtcgg ctttcgcttt 180
 gtggcttttg gaggaaaact ggagatgtgg cagctttggc tttatggttc ttggaggaac 240
 agccagagtg catgagtcaa agcgctatat tctctgtagt gaagtgaagc acgcacgcac 300
 gttgcttttc cttcactcca tcggccacca agttattaat gcattgcatg ccagctggcc 360
 catctgattc ctagcgacag gaacatcatt aagcaactag tactagaagt atgtaggttg 420
 atgtcgatga tgt 433

<210> 26181
 <211> 413
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-H7

 <400> 26181

 agcagatgaa aggacgtggt gttgattggg atgtacctga acaagcatct gggcaacatg 60
 taatgaagga tgaaccacag gttggtggaa tttatgttag actttttctt aaggacccca 120
 aatttccact gagaaaccct aaaagattcc ttgaagggtc cctagatcaa tatgtctcct 180
 ctgttgctgc tacgcattat gaagcaattg ctacagaccc agagcttcct ttactactgt 240
 ctgcggcatt ggtttccetta ctacgagttc atccagcact tgctgaccat gttggctacc 300
 tcggttatgt tccaaagctt gttgcggcta tggcttatga gggaagaagg gagactatgg 360
 catcctggca ggctaccagt gcatcgaatg cagaacctag cgaacattga cac 413

<210> 26182
 <211> 447
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-H8

<400> 26182

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gacctcatca acaaatggca gcaggtggcg ccgtccctcc ccgatgacct catgatccgg 120
atcatggcca tggagcagga tgccatgttc gaggccctgt acctgggcac gtgcaaggac 180
ctcctcccgc tgatggccag ccgcttcccg gagctgggcg tcaaacagga ggactgcaac 240
gagatgccgt ggatccagtc cgtggccttc atccccatgg gcaagtcgga caccgtgatg 300
gacctcctca accggacgtt caacatcaag gccttcggca agtacaagtc tgactacgtg 360
aaggacccca tcccgaggga cgtgtgggag aagatctaca cctggctcgc caagcccggg 420
gccgngtca tgatcatgga cccctac 447

<210> 26183
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A1

<400> 26183

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actcgttaaa tctcctcaact tcttctcccg atggtttcag ttctgctttt ccctctcgcc 120
cgccctagat ccgctgggat ctgagttctt gtttgatgct gctttccaag ccccgccata 180
gatccgctgg gatatgagtc tctgtttgat gctgttttcc aagcctgagg agttccggcc 240
ggagtgggtc ataggcgagg agaagagcgt ggacgcaacc gtcggcggga aggcgaggag 300
aagagcatgg acgccacgcg acgtcataca atcgcattat tgtttggttg gtactctaaa 360
gacgcctctt gttctaattt attgcctgca gaatcatatg ctaaattaga aacagacgct 420
tcgtttcttc ctaaatagaa atactaattt actgggtt 458

<210> 26184
<211> 127
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A11

<400> 26184

aaacacactg aacccaataa tccgatccca cataaacttt tctctttgtc cgttcgcgtagc 60
atcgctgccg agtcgtatgt catacaccat catcacccat aaccattgtc tgcaacctgt 120
cttatttt 127

<210> 26185

<211> 309

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A12

<400> 26185

cggacgcgtg ggcgacggcg tcatgcatgc atggatatat acaccgtacc tagtggtaga 60
ctgatataata ggtgatttct ttttttcttt ttttgtgtgt gtggtttgat atcaacatcc 120
agtagctagc tagcaaacca agcactccga cccatttgca tgcctgcatg tattgacctg 180
agcacctggt actgctgtgt gatgccatta gaaaagcaag caagagagct tgctagctag 240
ctacagctca agtgatcagg ggccaagagc acaaggcgtg cagctgatta attaagcaag 300
tttcatccc 309

<210> 26186

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A3

<400> 26186

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gctcggcatg tcttatcggg gtgctgcaca tctatggctt cgagagcttc acggtgaaca 120
gattcgtaca attctgcatt aactatacta ttgagacact gcatcgacag ttgactcatc 180
acgtgttcaa cacggtacac gacgagtacc ctggacagca aactgattga aggcatattc 240
agcgtgggtga caatcgagat gctcttgacc ttatggagtg gtaacctcgt ggtgggtatcg 300
tacttcttga tgaagcatgt atgctgcaca ctgccactga cgagacatgc gtgctgaaag 360

tctaccatag ttttgaaaag cacaagctgc ttgtgaagcc ccagctatct cgtgacgact 420
gtacaatctg tcaactacgcc 440

<210> 26187
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A4

<400> 26187

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tggccttggt gtccccgaag tcgtcgacgg tgcagctcga tccgcctcgt cgagcatgtc 120
gaggaggggc ccttgcaaat tcttcttgca tggagcttgc ttcaaaggag attactgtga 180
attctcccat gactgcaatg atcaaccaga taatgtttgc actttctacc agaaagggac 240
gtgcaccttt ggtagccgtt gcagaaatga acatgttgaa gttcattgta actgccccca 300
accagcaacc actgtagcgc gtgcatectc caattcttct cagctagtgtg cttcttccag 360
agatcccat tgcagcgaat gccaaacggg attatgtgac caaacacagc agatttgcaa 420
gtcaacagca gcactt 436

<210> 26188
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A5

<400> 26188

cgactactt cagggcgtag ggcgtcgtag tccggaacga cgcgccgctg gccaaagccc 60
gcgccaaggg cggccaggcg gtggcggtgc ggctgttcgg gaccaagacg cagatctaca 120
actgcacat cgacggcgga caggacacgc tgtacgacca caagggcctg cactacttca 180
agggtgcct catccggggc agcgtcgact tcattctcgg ctccggccgc agcttctacg 240
aggactgccg catcgagtcg gtggtaagg aggtggcggg gctgacggcg cagcagcggt 300
ccaagtccat cgagggcgcc atcgacaccg gcttctcgtt caagaactgc agcatcggcg 360
gcgtcaaggg cggacagatc tacctgggccc gcgcctgggg ggactcctcc cgggtggtct 420

actcgtacac gaagat

436

<210> 26189

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-043-Q1-K1-A6

<400> 26189

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ccttgtcgga caactcaact tcacaggccc ttgcaagggc gacgtgacca tccagggtgga 120

tggcaatctg ctggcgacca cggacctaag ccagtacaag gaccatggta attggatcga 180

gattctacgc gtggataacc tgggtcatcac cggcaaggga aaccttgacg ggcagggccc 240

agccgtgtgg agcaagaact cctgcaccaa gaagtacgac tgcaagatcc ttcccaactc 300

gctggtgatg gacttcgtga acaacggnga ggtgtccggg gtcacgctgc tcaactncaa 360

gttcttncac atgaacatgt accggttgca ggacatgcta atcaaggacg tgaccgtga 419

<210> 26190

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-A7

<400> 26190

cggacgcgtg ggtagttcta gatcgcgagc ttccgccctt tttttttttt ttttttggttt 60

tgttttatatt tttttttttt tttttttttt tttttttttt tttttttttt ttttttttta 120

ttattttttt tttttatttc tttttttatt tttttttata attttatttt ttttttaaaa 180

aaacataatt atataatttt attattataa aaattattac tttaaaattt atttacaaaa 240

aattattatt ttttttatct tttttaataa aaatctttta ttaatatatt attttttatt 300

aaattaaatt attattataa ttcatttaat tttaaatgta tcctttaaca tattttattat 360

tttt 364

<210> 26191

<211> 453

<212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-043-Q1-K1-A9

 <400> 26191

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 ccctccctct tcgtcccca ggcacgcagg caggcgcgcg cgcggccatg aaggggggcg 120
 gtgccatgag gccgtcgctt atgttctacg tccacgaggc ggacgtcgtc cagatccacc 180
 acttcctcga ggagtgtctc ctctgcgcca aatcgctctc cggcgacatc ttcattgtaca 240
 ggggtgacac gccgttctgc agcgaggagt gcaggagca gcagatcgag gtggacaggg 300
 cgaagcaccg gcggaagaag cgcgcggcgg cgcacgcgt gtccgcacgc agcaggagc 360
 accggcacca gcagcagctg cagcagcacc accaccagca gcagcaaccg cagccgcgga 420
 atgccggcat ggacaccggn caccgtggg tcg 453

<210> 26192
 <211> 359
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-H12

 <400> 26192

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 ttgccactta tttcgttggt gttgttcttc tttggtcttc gcgcggtggt ttctacctgc 180
 caaagacgaa taattcccg cgtggggccc tccagtccac tccacccatg cttttgtgtc 240
 angcggagcg gaggtagagc atagggagtg aataaccgct accttatttc atttctatga 300
 tgtatctatc taatntgggc cttccctgat aatgcacgac ccgtagtgtt aacaagcgt 359

<210> 26193
 <211> 352
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-F7

<400> 26193
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 ctacccgacc cgccgtcacc gttcagctcc aacacggcgc accaccccgt ctccgtgccc 180
 accacaccta ggttgtcctt atcgtgctcg tcgttcggcc acatggtgac cccgcccacc 240
 gacacaccgg cgatcacgcc caccaagaag caggacgaca agccgaagcc gacgccggat 300
 gccgtcaccg cggcgaacta cgcgtcgggt tggtcgccc aacgcctaata gc 352

<210> 26194
 <211> 487
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F8

<400> 26194
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 ccacggttgg tgcctctgctt gttatggaga ccctgagtgc attccttcac gcactgaggc 180
 ttcactgggt ggagttccag aacaagttct atgaagggtga tggttacaag ttcgccccat 240
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 tgatgct 487

<210> 26195
 <211> 390
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-F9
 <400> 26195

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 ggagctggac gagcaggcct tcctggagga gatcctctcc ctgcggaggg acgcctggga 180
 ctgcaatgcc atgggggact tcttcgcccc ggccgacatg gactgcacct tccaggaccg 240
 tcaccaccag gcgcccaccg tcagcgctct cccaccttc accgntgct acgcccagcc 300
 gcagccgcaa ccggcggcgg cgcccggctt cgactgcctc agcgaggtct actgcgccga 360
 cgcattcggc gggcccaatg ctggtgacta 390

<210> 26196
 <211> 133
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-G1
 <400> 26196

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 ggactgggcg agcttgccga tagtctcggc ttctgacct gctcttttcg agcggttggc 120
 catccactac atc 133

<210> 26197
 <211> 435
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-G10
 <400> 26197

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 atctgaaaac aagattaata atcacataaa aagaaagtgg aacaccgaac ccaacgcaag 180
 cacaaatcaa gaaagaaaca aaggaacttt gacagccacg cccatgcggc aactgcgccg 240
 atcgagctcc ggtcgacgtt gtcccacggc cgtatgtaga tatagtagta cggccggtaa 300
 cgctgcgtgg tgaggtgagt ggcctatagg catggatgtg gaacatcacc cgtgtgcggg 360
 atcagttgog cttgcgcctt tgctgctggg cttcttctcg ctgtatgcgg agtteatgct 420

gaagctgctg agagt

435

<210> 26198

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G11

<400> 26198

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ctcaggctcc atgacgctcc gggccagctc gttcaagcgc ggctccggcg gcaagatcga 180
gctacatata ggctctacgc gctcgccaag gtgcgaccgc ttgtggagca ctttctcgga 240
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acggctacga ctcttcaagc cgccagtctc cagcatcagc accataggac ttggctctgga 360
gatcctgcac aggagcaaac tcggcaaca 389

<210> 26199

<211> 468

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G12

<400> 26199

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ggtaccaaca ccctttggta catagcttag atgcctttgt ctctatggaa cttccctaag 120
ctatgtacca aaggggtgtg gtaaattgaa gcattctcaat catctagatg gtctaatacat 180
tggtcatgac aacaatgcgc ctgaggggtg tgacttagat gaccttaaag cattgtcaga 240
actaaggcac cttcatatag agagtttggg tagggctact tccggtgcgt ctgcactcgc 300
aaacaagcca ttcctagagg atctgtacct ctctgagcaa gcaccagcaa tagaaaatca 360
ggaagatctg gaagacaaag atgaaacaga aaaagaagag aaggaaggac aggaaagaag 420
caatggccaa tgcagaggag atgagtcaac caaagctagt gaaaagat 468

<210> 26200

<211> 408
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G2

 <400> 26200

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 cgtagttgag ccatacaaca gtgtactgtc caccactcc ctctcgagc aactgatgt 180
 ggctatactg ctggacaatg aggccatcta cgacatctgc cgccgatccc ttgacattga 240
 gcgccaacc tacaccaacc tcaacagggt tgtgttccag gtcattcat cccttactga 300
 ctccctgagg ttcatgggtg ctctgaacgt ggatgttaac gagttccaga ccaacctggt 360
 accctaccg aggatccact tcatgctttc ttcgtacgcc tcagtcatt 408

<210> 26201
 <211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G3

 <400> 26201

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 ggacttggtc tccacatata ttgggtgggtc ttaatatatc ggatgcttct gagacaaatc 120
 aagacaagaa atgttggaga tgatgttcca tctgattctg aaggagaaga cgaccatgaa 180
 gactgattgg cgtcaccatc ttagtttgca tattatgtcg gtgctagaag catcaccccc 240
 aataccgtcc ctgagcttat acattctttg gctggattcc aagaatacgt gcagattatg 300
 agaggacgag catt 314

<210> 26202
 <211> 374
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G4

 <400> 26202

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 ttctgcagca gcgcctcaca aagaagagcg gcagcagttc ctgcattgct tgagatttgc 180
 agccaacgga cagcagatca accgtggccg taccgtgtgg aggaagctag ctagataaaa 240
 gtgttctttc gtcataaatg atctcctcca tttctctgct cacggctggc ggcccttgta 300
 ccacaatttt gtgatgtatt gttgcccttt ggaatgtact cagccatgta tcggtgccga 360
 tttgtgacat ttct 374

<210> 26203
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G5

<400> 26203

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 gccattccca caatctaate cttecgtecc tcgaggagcc gagccctccg cgcggccgtg 120
 ggatggggcg gtgacaacac cgggtgagtgg cgtggggcag ggagccggtg gcgagggcat 180
 atcatgggtgc agtgcctgga cgggggtgagg cagctgctcg cggtcctgct caagtgctgc 240
 gacgtcgagc tcaagcagcc gcccgggctc gaggaccctc aggttctcgc gagggagacc 300
 gtcttcagcg tgagcgaagt cgatgctctc tacgagctgt tcaagaagat aagcagtgtc 360
 gtcacgatg atgggctgat taacagggag gagtttc 397

<210> 26204
 <211> 144
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-G6

<400> 26204

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 gcacgtataa aatacaatat gtacttggcg acatatacga tagataacca catgtggaat 120
 tgtatcttac attccaccaa atga 144

<210> 26205
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-G7

 <400> 26205

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 gtgcggtggc gctgcccgtg aagcccgccct tgcagctgga ggaaaagggg gagctggaga 120
 aggaggtgtg ggcgagggttc tacggcaccg gcttttggag gagcccgctg cagctggacg 180
 acaacgacga caggtgatcg ggacaggccc gcgagcgagc tatccacaag ctccctccggc 240
 gatgcgtggg ctcccttcgt tttccgcggg aagaagagag gatcgaggaa agggaaacat 300
 gattgtgtgt tcgatactac gattacgaac ttcgatttcc cctctttttt tgttggtttg 360
 gaaaggggaa atacttggtc ttctattcta caacaatggt acgtacatgc aatggtataa 420
 ttaaaa 426

<210> 26206
 <211> 458
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-G8

 <400> 26206

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 gtccccgacga taacggtggc ggctgcgggt acaaggacgt gaacaagccc cccttcaata 120
 gcatggggcgc atgcggcaac atccccatct tcaaggatgg tctgggttgt gggtcctgct 180
 tcgagatcaa gtgcgataag cctgtggagt gctccggcaa gcccggtgtg gtgcacatca 240
 cggacatgaa ctatgagcct atcgcggcgt accacttcga tttagcaggc acggcgttcg 300
 gcgccatggc caagaagggc gaggaggaga agctgcgcaa ggcyggcatc atcgacatgc 360
 agttccgaag ggttaagtgc aagtacgact ccaaggtcac cttncacctt taaaaggggt 420
 gcggncccaa ctaccttgcg ctgctggtea agtacgtc 458

<210> 26207
 <211> 313
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H1

<400> 26207

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 gtactgggcc actgagcacc ctgaggagcc tgtcgttact ctggagatgt gcatgactgg 120
 gctggacaag aagaaagctt ctgtcttggt caagaccact gctgatgggt actcgctgtg 180
 cgccaaggag atgaccaagc tctctgggtat ctcgacatc attccagaga tggagatctg 240
 tgacttcgac ttcgagccct gtggctactc catgaatgct gttcatggcc ctgctttgtc 300
 gaccattcat gtg 313

<210> 26208
 <211> 342
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H10

<400> 26208

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 aatctaactg agccaatggc actgaaccct atgtctcgcg aacatcacta acatagctct 120
 tcgccacatc atatcatatc acctttgcta tcttggtatc tgacttatac gcgtccagac 180
 ataatccgtc aactgaatc ttcactccac tttatcacca accaatctct attaccaaatt 240
 ttgtcaatca acatctccac taatactatg aacaattact atcgctgtcc ttttatcact 300
 aactaaaaac taacctttct caccacattc taaccccaac tc 342

<210> 26209
 <211> 386
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-H11

<400> 26209

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agtagcatTT ctggtaggcg gtgcctggTg tggTcctccc aaggTtcccc cgggtaagaa 120
catcacggcc aaatatggta gtgattggct agatgccaaG gcgacatggT atggcaagcc 180
gacaggtgct ggccccgacg acaatggTgg cggctgcggg tacaaggacg tgaataaggc 240
ccctttcaac agcatggggc cgtgtggcaa cgTccccatc ttcaaggacg gtctaggTtg 300
tggatcctgc ttcgagatca agtgcgacaa gccagcagag tgctctggca agcccgTggt 360
ggtgtacatt acggacatga actacg 386

<210> 26210
<211> 468
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-F6

<400> 26210

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tacgttcccc gttctattgc taccgcggt cttatgcaat cgatcggatc atatagatat 120
cccttcaaca caacataggT catcgaaagg atctcggacg actcaccaaa gcacgaaagc 180
cagttagaaa atggattcct atttgaagag tgcctaaccg catggataag ctcacattaa 240
cccgtcaatt ttggatccaa ttcgggattt ttcttgtgaa gtttcgggaa gaaattggaa 300
taatatcgat tcatacagag gaaaaagttc tctattgatg catacgctgt acctagagga 360
tagggataga ggaagaagga taaatcgaaa tgaaatanat aaagaataaa gcccaaaaaa 420
taagtccaag atagaagagc ccagaatcaa aatgaagaaa tggaaact 468

<210> 26211
<211> 468
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E11

<400> 26211

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tgaacccgcg ccgcaaccgc ctcgcgcgcc tccacatgaa cgccgtctcc tcgcgcctca 120

ggaaatacgg gctgaggtac gatgacctgt acgaccccta tttcgacctg gacatcaagg 180
 aggcgctcgg gaggtgcct agggaggtgg tcgacgccc catccagcgc ctcaagcgcg 240
 ccatggacct ctccatgaag catcagtacc tccccgagga cctccaggca cagcagggtcc 300
 cattcagagg atatttgagt gacatgttgg ctctggtgaa aaaggaaagc gctgagcgtg 360
 aagcactggg agcccttcca ctttaccaga gaacgcttcc ctaaattgct ggctaaacat 420
 ggctgcaagt cttctcttta cgccaaatca gaatgcatgc aataaaat 468

<210> 26212
 <211> 460
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-E12

<400> 26212
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 tgaaggaaaa gggctccgac acgtacgagc ccctcaagca ctcttggggc gccatctgga 120
 ggaaggacag cgacaaaccg cttaaggagc ccctcaccgt cgcctcact accgagggag 180
 gcaccaagac cgtctacgac gatgtcatcc ctgccaaactg gaaggccaac accgcctaca 240
 ccgccaaata attaacttta gtgctgacaa tactttaagt cggcctatgc tagctatact 300
 agattggggtt ggatcccaag caatgcatta cacatgcatg cattggaccg tgatatctat 360
 ttgctaccac taccctatta cgacagtgat gctggcgcca acaataatgg cgtcacctn 420
 cttctncatc ttctccatct ccatatatag ctagagttag 460

<210> 26213
 <211> 229
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E2

<400> 26213
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 tactgtgatc aagcaaggag acgacacttg aattctctac agtttggcat aggtcgggag 120
 agacactctc gaccggccac accatgtaac aaactaacct tcttcgttgt ctcccattat 180

tttctccac ggagttcttc tgatgaaaca acatgttcta attgggctt

229

<210> 26214

<211> 336

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E3

<400> 26214

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agtgtgacca tctcgggtgat cacgtcgtgc tgcaccttcg gcttgccgtg gctgacggcg 120

tgcacccctt gcccgcggga gctcgccagt aagtgccga ccatcgggcy ctccggcaat 180

ttcaagaact tccagtgcct gccggggcag tacaacgcgc tggcgctcct cttcttcaac 240

accaacgacg acgccatccg caacctcttc agcgccgggt acgacaggga gttcggcgctg 300

ttcacgctcc tcaccttctt caccacggtg tacacc 336

<210> 26215

<211> 339

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E5

<400> 26215

cttcgagaac cccgagaaga gcatagactc cctccacctc gacggctacg ccttggtcgg 60

cgtcgggatg gggcctggga cgtgggtcgcc ggagatgagg aagacgtaca acctactgga 120

cacggtgagc cggcacacga tccaggtgta cccgcgggtca tggacggcga tcatgctgac 180

attcgacaac gcgggcatgt ggagcgctcg gtccaacgtc tgggagcggt actacctcgg 240

ggagcagttc tacatcagcg tcctctcgcc ggcgcgggtcg ctgcgcgacg agtacaacat 300

gcccgacaac gccctccgct gcggcaaggt cgtggggct 339

<210> 26216

<211> 368

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E7

<400> 26216

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aggccgctga cgaagccgct cccgggatca tgaggttcgt ggtgacacca ccagctaacg 120
cttcgtgggg tagcgccag cattcggtc tgccaagcca cgacggcagg gcgtcgagc 180
ccggcggtgcc gcggtggccg cggacggtgt tcctggtggg cgccatgtcg tgcctggcca 240
tcagcgcgac ggcccacctg ctggcggtgcc actcgcgcg cgccagcgtg gtgttctggc 300
agctcgacta cgcgggcata tncgtgatga tcgtcggtt ctttcgtgcc gccggtgtac 360
tacgcttt 368

<210> 26217

<211> 475

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-E8

<400> 26217

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cgcatccctc ccctcatggc gtcateggcg gcgcgatccc tcgcgctcgt cgcgtctgcc 120
tcggcatcgc tcggcgctcg gcageggtcg tgggctcgt tggctgtctc ttctctctcg 180
gctgggtcgg ccctcccaa gctccgegg ctccgctcgt tcgccgcctc cgcagggggc 240
gccgtgatgg ggaagccagg ccccggggtc gttgacgccg acgccgggat ggacgccgtc 300
cagcggcggc tcatgtttga ggacgagtgc attttagtgg atgaacaaga caatgtcatc 360
ggccacgagt ccaagtataa ctgccatctc atggagaaga tagaagctgg aaatgccctg 420
cacagagctn tcagtggttt ctttttcaac tccaaatatg agttgctact gcagc 475

<210> 26218

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E9

<400> 26218

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ggccgttcgg gagcgatgga tgcgcatagc tgggtggtgcg ggcatgggta ccggcacacg 120
gcgcaactct cttttttctt gtgataacag atcaataaca tatcatacct tccaattgca 180
tagctgaatc gaaacatgtc gcgtaggata gttcggctag gccggagacc tgctgttggg 240
gacttggtct caaatgctat gagttaagaa caaggcaaca caaaaatgtt aatggttaaa 300
gtccttcgtc cttcgaagca ttatctccct taggatataa tgatcttcag acgaaggcca 360
tgaaggatgt accttcatca tcacagtata t 391

<210> 26219
<211> 300
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-F1
<400> 26219

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gcctgggcgc gcggatcctg caggccggcg gtgtggagcg cgtgttccgc caggccttct 180
ccgtcgccga caaggcgag cggctgctca aggcgctgca gtgctacatc tacaccacgg 240
gcggggcccat cgccggcatg ctcttcggct tcactcagaa ggtcgccttc cgcagcgcacc 300

<210> 26220
<211> 449
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-F10
<400> 26220

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gggtcgctga agctgcagaa gcggctcgcc gcgagcgtcc tcaagtgtgg gaaaggcaaa 120
gtctggcttg accccaatga agtcagcgag atctccatgg ctaactcccg ccagaacatc 180
cggaattgg ttaaggatgg gtttatcatc aggaagcctc agaaggttca ctctaggtcc 240
cgtgcaagaa gggcacatga ggccaagcag aagggaaggc actctggata cggcaagcgc 300

aggggtacca gggaagctag gctccccacc aagattctgt ggatgaggaa gatgcgtggt 360
 ctgaagcgcc tgctccgcaa gtaccgtgag gccaagaaga ttgacaagca catgtatcat 420
 gacatgtaca tgaagggtcaa gggtaatat 449

<210> 26221
 <211> 376
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F11
 <400> 26221

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 ggcgccttcg gcaatggcaa gacagacagc acgaacgctg ttcaggaggc atgggcatcg 180
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 caactcaact tcacacgccc ttgcaaggc gacgtgacca tccatgtgga tggcaatctg 300
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 gtggataacc tgggtca 376

<210> 26222
 <211> 326
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F2
 <400> 26222

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 gaagggtcac aggtttacag aatgggctct aaagtgtatc gggctgcatt cacgtgttcg 120
 agagaacagg ggcaaaggaa accacgacac tgtaattgag gttcagcttc agttgtctgc 180
 ttccaagata tttcttgatc ttgctgataa tgagcttacc gggaaggatt ttacggaggc 240
 ttttgatgct gcatgcttcc ctcttacact cttttcaacc accttcgacc aaggatgggc 300
 atcaagaata tcagcagctg cagtac 326

<210> 26223
 <211> 268
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-F3

 <400> 26223

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 tcagcaactc gtgggcggag actgctcgcg gtgtctccga gctcaccgta ccgtcgttcc 180
 tggaccgaag cgttctaaat gctctcgacc cgtccgtgcc caccttacc caccacgagt 240
 tcgcctagat ccccgacgtc ttcgacac 268

<210> 26224
 <211> 449
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-F5

 <400> 26224

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 ggcggccacc gcgtacggct gctacgacga ctgctacgag cgggtgcgcca acggcaagaa 120
 ggacgacccc gcctgcacca agatgtgcaa ccaggcgtgc ggcagcaccg acaagggcgc 180
 cgtcgccggc gcgcccggctt gatcgacccg ggcttcacgc gcgcgcgggc tcagctcgat 240
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 cccggcccat tgaatcttct acttctacta tagtatatct ttgttgagg tctttcgtct 360
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 atatatatat atgcatgatt cagttttttt 449

<210> 26225
 <211> 461
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-E10

 <400> 26225

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cggcatcgct cggcgtcggg cagcggtcgt gggctcgctt ggctgtctct tcctcttcgg 180
ctgggtcggc cctccccaag ctccgcgggc tccgctcggt cgcgcctcc gcagggggcg 240
ccgtgatggg gaagccaggc cccggggtcg ttgacgccga cgcgggatg gacgccgtcc 300
agcggcggct catgtttgaa gacgagtga ttttagtgga tgaacaagac aatgtcatcg 360
gccacgagtc caagtataac tgccatctca tggagaagat agaagctgga aatgcctgc 420
acagagcttt cagtggtttc cttttcaact ccaaatatga g 461

<210> 26226
<211> 222
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-C4
<400> 26226

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gggcgagcga ccgtgccatg catgcagcgc gctgacgagg cgttcggcac ggctccgatc 120
cgcctccgct ccaccaaccg aggattagc gtcgctcgcc tgtgccacag gcgccacgcc 180
cagatcgtgt accggctatt ggtgcgcgcg cgcgctcatg gc 222

<210> 26227
<211> 418
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-C5
<400> 26227

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ggccgtcgtc gcgctgcgga tctgaccggc cgggacggta cgggacggaa cggaagccta 180
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atgagattgt attgtgacca agccgtgagg gaaagcatgg aggtgaggac aaagaagttt 360
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<210> 26228

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C6

<400> 26228

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 gcggcttccc gctgggtccc ctgctgctgt cgctcctggc ggccgccgcg tacggccgcc 180
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 cggccgaggc cgagtgcgag cagacctacg gtttctccc ctgcaccacc accgtgctcg 300
 gcaacctctt cctgggtgctg gcttacggct ttctcatgtt caaggcggcc acgttctgt 360
 cggcgggcaa cgagctgctg ctagagatca tggg 394

<210> 26229

<211> 398

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-C7

<400> 26229

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 cccccaggca agaacatcac ggccacctat ggcaaggact ggttgacgc taaagcgaca 180
 tggtatggca agccgacggg tgccgggtccc gacgacaacg gtggcggctg cgggtacaag 240
 gacgtgaaca agccccctt caatagcatg ggcgcacgc gcaacatccc catcttcaag 300
 gatgggtctg gttgtgggtc ctgcttcgag atcaagtgcg ataagcctgt ggagtgtcc 360
 ggcaagcccc tgggtggtgca catcacggac atgaacta 398

<210> 26230
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C8

<400> 26230

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ggcttgtcct catggccttg atgatcacat ggactacgt ccacgtgatg aagtactggt 120
acgagctgga ccacgtcgtg ccagccaacg aagtgacaac gctgcttgag aagcatgagg 180
tgcggcggat ccccggggtg ggcctccttt actcggacct ggtccaaggc atcacccccg 240
tgtttccacg tctggtgcag aggataccct ccgtgcacgc ggtcttcctg ttcattgtcca 300
tcaagcacct gccgatccca cacgtggccc ctgtggagcg gttcctcttc cggcaggctcg 360
gcccagggga gcaccggatg ttccggtgtg tggcgaggta tgggtactgt gacaagctag 420
aggagtcggg gctggtaaaa gggttcctcat gga 453

<210> 26231
<211> 70
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C9

<400> 26231

aatccgtata tgggatctta atttgtacat taataagaaa caaagaatgt actaccact 60
tattgcttct 70

<210> 26232
<211> 344
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D1

<400> 26232

ggaggtgccg acgcgggagc tgttcgacgc gtgcagcatg cgcaacatca ccagccggtg 60
gcagagcggg cccaccatca tcgagctcac cgaccccggc gagcgcttct acttctgtgg 120

cgtcggcgag cactgcgagg ccggccagaa gctcgccatc aacgtgctcc tcgtcccgcc 180
gccgccgccg gacacggacg acgactgctc cagcgccgcc cgtctcccgg gccacgcggg 240
cgcggggctc gccgtcgtct gcatgtgcct cgtgtccgcg ctgctgacaa tggcgggtgtg 300
aatcggcacg ctgccgccgt agattattgg cgattgctgg ctga 344

<210> 26233
<211> 438
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-D10
<400> 26233

gcagcattac gaggccaaaa gtaagctgct gctgttcttc gaccggtccc gttcgggtcga 60
tgcgttcttt ccgccatgga ggctcggagg aagcccgcgg tgtgctgtgc ccttcttgtg 120
ctgctcatcg tcgcctccag cgcaacggtg tcgactgctc atgacgagag ctgctggaag 180
gacgacgacc accaccctat ctgctttccc gaagactgcg tggcgacctg ccaggatcac 240
ggccacgcgg acggccgctg caactgggca tggtcgtgga ggccgtattg ccagtgcctg 300
ttggcggact gccaataggc gcgaacagct gcgtcgcatg gcgtcctggc tgcctcgccg 360
gccgatgaag gatgaacggt tgcngccgat gatcgatgtg tccgtcggca tgcgatcac 420
tcattganac cccctcta 438

<210> 26234
<211> 468
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-D11
<400> 26234

acggccactg cttgcgtctc tgtctctctg tctgctcgtg tttctgcttc tgcgactcgt 60
aggaggggtga ggtcttgctt gcctcgcgga atggcggcgg ccggggcatg gctggcccgt 120
gcgacggcga ctgcgggtgct gggtttcgct ctggcgggtg cgtcagctga ggcggcatcg 180
ggggacgtgg agatggtttt cctcaaggcc gcggtggcca aaggcgcagt gtgcttggac 240

ggcagccac cggtgtacca tttctctccc ggctccggtt ctggcgccaa taactgggtc 300
gtccacatgg agggaggaag gtggtgcagg aatcctgatg agtgtgcggt ccgcaagggc 360
aacttcaggg gtcctctcaa attcatgaag ccactctcga tttcacggat attaggcggc 420
aaccaanaat ccaatcctga tttctacaac tggaatagag taaagatc 468

<210> 26235

<211> 462

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D12

<400> 26235

cggacgcgtg ggcggacgcg tgggaggacg cgtgggaggc gccgggacag gcgttgacac 60
cgttcggcgg cactggcgcg tacggcccgt caggggcagg cagcacggac tacaacgacg 120
ccgtcgcccc gcgcgcgcgc gggctgcacg tggtaggctg cctcgctctc gccgtcgccg 180
tcgccgcacc tctccaccgc taggggaggc gccatggcaa ctgggagctg gcgggcacga 240
cactcgcaga cgggatcccc cctcggcggc ccgccagcgc gggctctggt cgatgtccgg 300
cgtagtgctg tgcgcgtacc tgatgaagtg atgatgggtt ttgatcgacc agccgtcagc 360
gtagtgcggt cacgggggtt acagtgttat tcgaactgac ctctctgctt cctcgtgcta 420
gtagtgggtg ctggcatgtg tgtgtgctgc tggtagagaa ct 462

<210> 26236

<211> 373

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-042-Q1-K1-D2

<400> 26236

caacgagtgg gtaaagccca agccaggaac ctacgttaca aggctcacc gcttctccgg 60
cgacactgtc ctgctgcacg ggcaagccgt gctgaaggcc ggtgggcatc aggctgcttc 120
ttctagctca tggcctggcc atgccaggc gcgctggctg cgtttcattt catggaagaa 180
agcaaggatg gatcacaggc tgctgttctg ctaattaatc tacatacgtt tgccttcaag 240
tactgtgttg tggcattgtt acacatcaca gtacagtttg gtcaaatttt ttttccacag 300

aggaagtang gattgatnta atcattgatt taatcccaca cgcgtgtatc tacgtataca 360
gtntgtataa cat 373

<210> 26237
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D3

<400> 26237

gttcagttgt agccgttgag acttgggagg caggcgacat ggggtggcggg aaggacgacg 60
gccacgatcc ctccaaggcg gacaagggat tccacggagg agggtagccg gccgccgccc 120
gtggatacta cggcggccag taccgccgag gcggtaccc tgctccaccg ggcggcgggtg 180
cgtaccctcc cggccctggg taccgggtac cacctgggtg gtaccgcct ccgggtggct 240
accctcagcc tggcgggatac ccgccgtcgc acgggtgcgta cccgggcgct ggtgcaagcg 300
cgtattcttc cagcg 315

<210> 26238
<211> 266
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D4

<400> 26238

actagttcta gttccgtcgt gctggacctt gtcagagggt gtattttgag tcagaagaag 60
cgaaagcttg cattgtaacc tgtggaggcc tttgccctgg gctcaatact gtcacagag 120
agttggtttg tggcttgctc cacatgtaca acgtagcaa tgtcttcgga atacataatg 180
ggtacaaggg gttctattcg agcaattatc ttcccatgac accaaagagt gtgaatgata 240
tccacaaacg aggtggtaca gttctt 266

<210> 26239
<211> 214
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D6

<400> 26239

aaatgagtga agggtagatg ctgatctgaa aaatatgtgt gttccccct ctttgcttcc 60
atgtcgtgtt gtttcaggta accgtcacaa tatatatagg tggccccctt tggaatccgg 120
ggattattcc gtttgctgta tttttttctg tgaaaatgaa ctgattcctg tcaaaaaata 180
aaataaatta attttaataa aaaataataa ataa 214

<210> 26240

<211> 269

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D7

<400> 26240

ccacatccaa gtgaggaaag ttcaggctctg atgtgccggt ggggaattggt cgtctgagaa 60
attttgatag cgccgcctga tgtgttatca tcattatatg tgtaatttta ctgttttacc 120
aggagattgc tacgtcgagt tatatgttgt gtccaattca cgtgtaggct ctgaatcttg 180
actgtgttcg ttcatttttcg cttgtttcac actgaagtgt tataagctca actttactgc 240
tttaaaaaaa aaaataaaaa taatataat 269

<210> 26241

<211> 394

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D8

<400> 26241

caccacctct gctgaacgcg aaattgtaag agacatcaag gaaaagcttg catatgtggc 60
gcttgaatac gaccaggagc tcgagaatgc caagagcagc tcactctgtg agaagagcta 120
cgagctgcct gatggtcagg tgatcaccat tggggcagag aggttcagat gccctgaggt 180
cctcttccag ccttccttca ttggtatgga agctcctggc atccatgaga ccacctacaa 240
ctccatcatg aagtgcgatg tgcacatcag gaaggacttg tatggtaaca ttgtgctcag 300
tggtggcacg accatgttcc ctggtattgc ggaccgatg agcaaggaga tcaactgcct 360
tgcgccgaac agcatgaaaa tcaaagtggg ggca 394

<210> 26242
 <211> 469
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-D9

<400> 26242

cggacgcgtg ggcggacgcg tgggcggacg cgtgggagcg agcaccgcgc gtcgggacgac 60
 ggtggcgcca tgggtggctg ccactccgcc atcgcggcca ccaagctgaa gattctgcgc 120
 cgcgagggcc ggggtgccgc tgccgtcttc cccgtcacca accacgacgg cccgtgctgc 180
 tcctccgacc acggcagcaa ggagaagaag aagaaaaaga agggcgccag gaagggcagg 240
 aaacgcgcct ccatcctggg cgacgccggc accttcgacc cggacttctc gcggcggtac 300
 cggctcggcg cggagctcgg gcgcggcgag ttcggcgta cgaggcggcg cgaggacgcc 360
 gtcacggggg aggccctggc gtgcaagacg atccggcgga agcggctgct cctgcgcctc 420
 gccgggcccc acgcgaccga cgtgcagcgc gaggtggaga tcacgcggc 469

<210> 26243
 <211> 250
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-E1

<400> 26243

ctgtggttca aggaacacag atttatgcct gcatgtatcg cttccaaatc gatatgtcga 60
 ggtacggaat cttgtagagg ctccatgatg catacatgca aattcccgcga ttccaagccg 120
 cgcttttctaa aaatcaacca gactcacctt catgataaac atcaatatta tctcaatcat 180
 tctcatgtca ttttgcaata atttgtatag ggagccactg ctttctttat accgttggtt 240
 atcaaaaggg 250

<210> 26244
 <211> 356
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C3

<400> 26244

cacgtacgtt gaacaaacac ccaaggcctg acgagacgag atccggacct ccgtcctccc 60
gactagggcg cgcgcgcgac ctccggcaccg gcggcctcga tccatcggtt tctcggatcc 120
ccgccagtgc atgccctgga acggacggac ggaatggcag cgtcgccgga ccacctcttc 180
ggcctgcgca acagcttcta cgtcggcgca taccacgccg tcatcaccag cagccagtcc 240
ctccccgcgc acgcgctctc ccccgacgac ctctcgagc gcgacgccct catgtaccgc 300
tcctacatcg ccatcggctc ctaccagctg gtgatcggcg agatcggggc cagcgc 356

<210> 26245

<211> 385

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B1

<400> 26245

tgctcggcgt gctgcaacgg cttccgattt gcccggttag atgaaagacg gctggggagc 60
gtcttctctg gggaacaccg cgcgatcatg gtgccttgcc gaagttcagg gacggcgtga 120
ttgctcatcg tcgttcatgc tccaccgtgg cgccacccat ctccgtgggc agtgggctgc 180
atcgccaat cgaccgcgcg aggacacgtg tcatctgaaa agcaagttgg tacctgaaat 240
ctcaagtgcc aggtcaagat caggtactgc aggatgaggc gcatgggtgga tgctgtgatg 300
agttcgtgag tggcttaggc cgtcgtctcc cagtcaactt tggtttgctg gaccgttgct 360
tccttataat gtaattatct atttt 385

<210> 26246

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B10

<400> 26246

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gctgaatgta tataacttcaa gccacgaaga atttgataaa gaaaatactg acagtgtctc 120
tctgacaaag cttgatttga acgaataatt tgatgcagat cagtatccat caattcatat 180

gcaatataca catcattgaa tgcagccctc tgcgcaggag gtatgatatc ccttattgca 240
 tatgaattga tggatactga cagtgtctct ctgacaaagc ttgatttgaa cgaataattt 300
 gatgcagatc agtatccatc aattcatatg caatatacac atcattgaat gcaagcctct 360
 gcgcaggagg tatgatatcc cttattgcaa caatattctc gtgggtccatg tggcggagca 420
 acttgatctc gccgaacgtg 440

<210> 26247

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B11

<400> 26247

tgcaagggag ctcatggca tgctttagat tatcgatggt gacaattatc cagaggccct 60
 gggccgcatg tacatcatca atgcaggcca cggataccgg cttctatggg acagcgtcta 120
 gagcaacctt gacccaaaga ccactgcaaa gattcatggt ctgggtaaca agtatcatag 180
 caagcttctc gaggtgattg atgctagtga gttgccagaa attttaggtg gaacctgcca 240
 atgtgaatgt ggggtgcatga aggttttcaa aggcctttgc aatgaccccg aaatcatgac 300
 gatggagcac agtggagatg ggaggtgttg atcactc 337

<210> 26248

<211> 365

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B2

<400> 26248

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcgga cgcgtgggcg gacgcgtggg 60
 cggacgcggg gcggaagagg ggatttcgag ccgcggcgat cggggctaga gtggccctcg 120
 acgcgtccgc ggggtggaatt gccgagaagc cgagagagag gggttggagc ggagttgcgg 180
 gaggtgggag agaaggcggc gatggggcgc ctgttcttga tgcacctgga cggcaacgtc 240
 tacagctgca agcactgtaa gaccacctc ggcgttggca gcgacatcat ctccaaggcc 300
 ttccagtgca tgcaaggcaa gggcgtacct ctttcataaa ggtgtcaacg tgacttctgg 360

agtaa

365

<210> 26249
<211> 392
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-B3

<400> 26249

cccacgcgtc cgcaccgaat tccctgcgat tctctcccc tcgctctctc gtctccccct 60
aggggatcgt cggagaggaa tcgcaaagag ggccgtctca tccgagttaa ggaagccatg 120
gagcacaagg aggctgggtg ccaggccccc gagggacca tctctgcat caataactgt 180
ggcttcttcg gcagcgcggc gaccatgaac atgtgctcta agtgccacaa ggagatgata 240
acgaagcagg atcaggccaa gctgggtgcc tntctatcg acagcatcgt gaacggcagc 300
gacgccgtca tggagccggt tgttgctggc agcaacacgg tagtagctgt tgcccaagtc 360
gaggttgcaa caatgaacgt gcaacaaccc gc 392

<210> 26250
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B4

<400> 26250

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acggccagtc ggaactcggg caatggtcga ccggaggagt ggcgtccgtc gcgggccgcg 120
ttccatcgtg ggcgttcgtc tccgtgcccc aatccgtggt caagaacatg taccacatga 180
tgagacgcat ggaagatggt gcgatgtgtt cgtgagaggt ctaggccgtc gtctcccagt 240
caacttcggg ttgctggatc gttgtctcct ttcaatgtaa ttatttattt atcttgttca 300
aaactcctat tgcataataa agttgtgaca ttcgtttt 338

<210> 26251
<211> 478
<212> DNA

cgtgagatca gctggcaaga gatcctacgc gagctcatac gcaatggcag ccgctcagca 120
ggatcctcaa cacgacgata aacccaacct gtatcccaac gagtctggcc aacgtgcaat 180
gcctcgtgca acgtctgtgc atacctcatc ggatcgatga tcgtcccat tctcagacaa 240
agtctgacac aacgcctgat gactgacctc atgaatgaac acttgcacga c 291

<210> 26256
<211> 465
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-C10
<400> 26256

gcgccgccgc cgccaggcga ccattctaca tccagcacgg gcgtgcggcc ctcggtcggc 60
gtgggcgcgc ggcggccatg acggctcgaa cgcggtagcc acggccccga cgtctcccgt 120
cccggcgcgt caccctgtgg tgcggcgggc cccggcctca acggctcgga ggcgcgactc 180
cctgcgacgc gcggcctctt ggccccggcg gctcgggctt gggcgccac ggcgcgcggc 240
ccccggcccc cggcggcacg ggcgcgactg cctgcgacgc gcggcccccc cggccccggc 300
ggctcgggcg aaggccctcg acgcgcactg gtgaggcgcg gcagccttcc gcgcttgggc 360
acggtggccg gccaggcggg ccacagccag cgcgggcgcg cagtcccgcg ggcttagagc 420
ccgccccggt ttacacggg cacgacggcg ttgcccccg ggccc 465

<210> 26257
<211> 331
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-042-Q1-K1-C11
<400> 26257

caaaccctc atccccatga gaccttacga gttggagcaa ggctcagtgc ccgcctgccc 60
gggcgtgccg agcgatgcca tggaggcgcg cgtccctggg cgtcgtcacg tcctcactcc 120
ttgtccgact gcctgtcgcc ttgtctcgca ttgcaggctg tagacaacag acgagcagta 180
gcagcatcac gaggcggccg ggccccgggc acgccatgcc ggagaaggag gcgcaagccg 240
ccgcgttctg cggctaggca gtgatcgccg agttcgagtc cctcacgcgg gacgccgcct 300

tcgtgcagcg ctacacgctg cgccggatcc t

331

<210> 26258
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-C12

<400> 26258

gctaccctcg tcgtcgtctc actcaccg ccttcacgcc tccctcacca aataagggtcc 60
cgcccttttc cgacattcac aggggggaca ggaaatcagc ggccatggcc tcgattccgg 120
cgacgacctt cgccgtcatc ttatccgtcc tcttctgtgc cgcggtggc accgccgtcg 180
acaacgacct ccccgactac gtcattccagg gccggtcta ctgcgacacc tgccgcgccg 240
ggttcgtgac caatgtcacc gagtacatcg cgggcgcaa ggtgaagctg gagtgaagc 300
acttcggcac cggcaagctc gagcgctcca tcgacgggt gaccgacgcg aacggcacgt 360
acacgatcga gctcaaagac agccacgagg aagacatctg cgaggtggtc ttggtgg 417

<210> 26259
<211> 319
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-C2

<400> 26259

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ggtcttcacc tgccgaggca gcggcggtc acgtcacgt ctatcaccag cagcagcaag 120
aggagcagca gaatgggggc aagcacaaag gcagctgggc tcgaggacga gctggcacgg 180
cgaccaagct gcacatcacg gcgccgaga gccccagtc ggctcccgcg ggcattggccg 240
gcggccaactt cgaccgacc agccccgcc cgtcgtcgtc gtcccagaag cagtggccct 300
ncagcccccg cagcaggca 319

<210> 26260
<211> 450
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-A9

<400> 26260

cccacgcgtc cgccccgctc tgtgctaata ctctgctga gaaaggaggc aagaacttca 60
tgattgattt catgatgggc ggtgtttcag ctgctgtttc aaagactgct gctgctccca 120
tcgagcgtgt gaagctgctt attcagaacc aagatgagat gattaagtct ggtaggctat 180
cagagccgta caagggtatt gttgactgct tcaaactgac cattaaggat gaaggtttct 240
cttccttggt gaggggtaac actgctaata ttattcgta cttccctact caggctttga 300
actttgcatt taaggactac ttcaagaggt tgttcaactt caagaaggat agggatggct 360
attggaagtg gtttgctggc aacctggcct ctgggtgtgc tgctggtgct tcctcttntg 420
tttttgtgta ctccctggac tacgcgagaa 450

<210> 26261
<211> 309
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G4

<400> 26261

cccacgcgtc cgccccacgcg tccgccctac tccgcctcaa ggctctcctc tcggagcgtc 60
gatttgcaac ccaataatgg cagaagtcct atcaggatct catgaacacc gtctaagctc 120
tgccttagat ggacactacc acgagaagag gaaatccaat gtggaataca cagaggacga 180
gaagaaagcc gtgatcgcg ctctgaaaaa gaaggctctg agcgctcac agaagtttag 240
gcattccatg aagaggggga cgaagagcag caaggtgatg tccatctcga ttctggatga 300
gcgtgaacc 309

<210> 26262
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G5

<400> 26262

ggagaacagg gtattcctgc attggatcct caacagtata tggaaacaat gcaacaggtc 60
 atgctaaacc ctcagtttgt gtcaatggca gagcgtcttg ggaatgccct tatgcaggat 120
 cctgctatgt ccagtatgct tgagaacttg accagtccag ctcataagga gcagcttgag 180
 gagaggatgg cccgtatcaa ggaagatcca tccttgaagc caattcttga tgagatagag 240
 aatggggggtc catctgcaat ggtgaagtat tggaatgacc ctgaggttct tcaaaagatt 300
 ggccaggcaa tgggtgttaa ccttc'ccgga gattctagt tgtccactgt gctctctgga 360
 cccgaagaga c 371

<210> 26263
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G6

<400> 26263

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 gcccaggatt ctgtgtggcc ggcgcacgga tgtgcgcgtg acgccacggc acggacacgg 120
 ctggcgcggg ttccgggcgg tcacgggaag gatgatgctg gactcctctg agtctgcctc 180
 ttccgccgcc gccgccgccg cggaggcggg agctggggcg gtggcaggcc aggcgcagcc 240
 gcagcgccgc gcggtggggg ccgtgccccca ggcgcacgat ggtggctacg ccagcggcgg 300
 atgggagaga gaagatggta aactgagttg tggatactca agttttagag ggaagagagc 360
 tacaatggag gatttctatg atgtaaaact aactgaaatt gat 403

<210> 26264
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G7

<400> 26264

acgcttatac cttcctacat acccttggca atttcatggt tccaccaacc acctttgttg 60
 ggggggtctt ttatttcata tccgcctaaa taaaatggat ttttgcttgt cttaggcatt 120
 gactggaatt atgtcctaata ggaacaattg catcgcttag atctaacggc ttctaacatt 180

ccatcatttc gtatgtagct acattttgtc tccaataccc atgatttgct agctacataa 240
tattttctaatt tttttctaatt attagataat aagttcatag tacatgaata ctgcaatcag 300
tccccgatcc ttgtggcatc tatgtcaaac acttaactac tcaaaacata cattggacaa 360
atgcgagctc atata 375

<210> 26265
<211> 175
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-H10
<400> 26265

cccacgcgtc cgccccacgcg tccgccctcg cgtccgcgga cacgtggacg gacgcgggag 60
gcctatcaaa caccctggcc ccnccccacn cggangtnn ccaccaaccc tctcctggcc 120
gccgactacc gctagcacac cctgcaccac aggcagcgac ccccccgca gcagg 175

<210> 26266
<211> 167
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-H12
<400> 26266

gagacacacg tgcgggatga tttgctatat cgtggggcca cgtaacggca gacccatgct 60
ttctttgtaa acaggaggat gtggaaagtt ggctgcgtat gctttgcggc catgtgcatg 120
gataatcttg ctgctcgctt gaaagaaaaa aaggccgatc ttaagac 167

<210> 26267
<211> 392
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-H5
<400> 26267

ggaccttcgg cgcccggtca ggatccatat cttcccgagc gagttcttgg ttgacctgtt 60
cctcttcgga ccacctccaa ggctcttggg gtagcttgcc actctcacca atcaagtttt 120

catgtctgat ctcgacattc agatcccaac tgccttcgat cccttcgctg aggccaatgc 180
 tggggactct ggtgcgccag caggggtcaaa ggactacgta cacgtgcgca tccagcagcg 240
 taatggtcgc aagagcctga ccaccgtcca gggattgaag aaggagttca gctacagcaa 300
 gatcctcaaa gatctcaaga aagagttctg ctgcaatggg acagtgggtcc aggacccaaa 360
 acttgacag gtcattcagc tccaggggtga tc 392

<210> 26268
 <211> 247
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H7

<400> 26268
 cttggggaaa agaaatcaac ttcttaacca acttcttaag aagcggatgg acaagcttga 60
 cactgtcttt ttctgcccc ttctgcaacc acgggagtag tggtgagtgc cgaattgaca 120
 tgaagaatct gattggcgaa gcatcttgta gaatctgtca ggaaaacttc agcacaactg 180
 ttaatgcact cactgagcct attgatatat atagtgaatg gattgatgag tgtgagcgtg 240
 tcaacac 247

<210> 26269
 <211> 335
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A1

<400> 26269
 cgccgagttc ttctgcccc accacttccc gcagttcatg gagttcgtgc gaagcgtcgt 60
 gtgcggcgag tgggacgagg acgacggccc cgccgacgag gagcgtggca tgactgtgtc 120
 aggcaatacc agatccaggg aggccaaggc ggtttgaagc ttcaactcat cgccgcccc 180
 gccatatctc agtcagctgt ctggttttat ttttgaagtg ccaaataact tgcaaatttc 240
 cgctgctact agatttagct gagaagaacg agatgatcca tgtattagtg gatcaggagt 300
 tgcaaatgtg ggatcccaca tgcatttttt ctttt 335

<210> 26270
 <211> 418
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-042-Q1-K1-A11

 <400> 26270

cccacgcgtc cggcaatttg aacatctgaa agtgtagtgc tgagatgctt tgacacaaaa 60
 ggttttgatg gcattaaacc actctcctgg gtacctagaa gacaatccca ctcggtgtct 120
 agttcatcca tattggttgc agcaagagca atgacatttc tacatttgat caatggcaat 180
 ggtagcgttt tgtgatgcag taattctgta ataccttctg gcaacagtgc catctcat 240
 cggtcaccag tgtaattggt tcccatgagt tgactaaggt aatcttcaaa ttcttcatca 300
 ggagccagac gaactccaaa tgctttcgcg acaccagcca aagaaacgtc tgaatgtaac 360
 ggcccgcgtt ggccttcttg gtgagcggcg catggcgcg tccttccaaa agcccccc 418

<210> 26271
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-042-Q1-K1-A12

 <400> 26271

cccacgcgtc cgcccacgcg tccgtccacg cgtccgcgga cgcgtggggg gccgggcca 60
 tggcgagagg tacagcccgg catcaaggcc gcgcgcgcgg gcagcgcca cgaactccct 120
 caccacgtcg acgcggcccc cgcgccaggg gctggcgcg acggagtggg ccgcgtagtc 180
 ggacggacag aggcagaacc cgtcgtggtg cttggcgacg aggatgacga gcgaggcccc 240
 cgccgtccgc gccgcgtgca tccactgggt ggcgttgagc cccgcggggc ggaacaggga 300
 cgggtcctnc gaccccgtgc cccactcgga gtccgtgaac gtgttcatgc cgaaatggaa 360
 gaacatgatc acctcgcggc gctgtcatc 389

<210> 26272
 <211> 370
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A2

<400> 26272

cacacgcgtc cgctaactag aagcaatact gatggcccaa aacatgatga ttgtgatggt 60
gctcctgctt tccacctttc tcgtgggtggc aagatccttg tgggttccag acgaaccctt 120
aaatgcggat gacataatag gtgcttgcac tgatgagtgc accaactaaa ataaggcttc 180
tggcgactag aagacattcg aagtgttgtg caccaagctc acaaaaaagc ctagcgaaga 240
aggcaatcat gattgacgaa gtacaactcc gatgatatat acactattgg atcactgggc 300
atctttgtag ccatgtctac tacactatgg gcctgattat atcgtcttat tgtgtggttt 360
tgggtttcca 370

<210> 26273

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A3

<400> 26273

accaaggcag ctgccaaaaa gaaatgatgc aacctgtcgt taatcctgta tctgcttttg 60
gaatacctga cttgtcactc catcccgaag ttttgtatgc ggttggttact gttatttgtt 120
actgttaagc tctgctgcgg cgtgccctgt tgtttgggta gcgtaacgt cgagcgccac 180
ttgcgggtgt gcctttgtct gctatcagta gcggcaaaaa ttgaaagctc tcgagactta 240
tgtcc 245

<210> 26274

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A4

<400> 26274

gaagcaaacc gagaggtgaa ccagcagcct ccaatataag ccagcacatc caataaaaag 60
ggagaggcct cagccctcag gctagccgac cgtcgacgta ccaccgcgcc aaccgagag 120
aaagatggag atgatcaaga ggatcctcat cgacgcgctc ctcgtagtcg ccgactggga 180

<210> 26275
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A5

<400> 26275

atcctgagtg gttctggttc tcatatgcgc acgcatattt ttgttcttat tcctatgtct 60
gcatttcggt cagtggaagc aattgagcgc ggttcctaaa ctcggaacct gcattttggt 120
tcggcgatat gtgttggtgt taccagttgc tgcagcgata cttccaatth ctgcgccgat 180
gggtttcttc gttttcttct tattttgttt cctcgtcgtc gcagcctgca aattggtagt 240
ttcttggttc ttatcagtg agctggcttt ggaatttgca ggcaccgatc tgagctgcgc 300
tggtgctcct ggaaaggtgt tggcgcttgc aagtggcagt gatgactagc tttccttctg 360
agagcctgtc ggggacactc aacctgaaga actacaggct ttgcactttc atat 414

<210> 26276
<211> 476
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-042-Q1-K1-A6

<400> 26276

ggagagccag gtccccagga tgtgcctgga cctgtacagg gagtatggga ccacaatggc 60
cggcctcaag gttttggggc acggtttcga ctacgacgac ttccacgcct gcgtgcacgc 120
gacgctgccg tacgagaagg tgaagcctga cccggtgctc aggcagctgc tgctttccct 180
gccgcagagg aagatcatct tcaccaactc cgacaaggcc cacgcggcca gagtccctgga 240
gaagctcggc ctccaggact gtttccaagg gatcgtctgc ttcgagacac tgaacccgcc 300
accaaccgag aagaacagtg gcggcagtgc tgggacgatc ctgtgcaagn cctcgttggc 360
gtncatggaa gccgtcatcg agatcggcaa gctcgacgcc gaaagaacgg tggtcttgac 420
gacagcgcgc gcaacatcgc gcagggaagg ccgccggttt cgcacctcat cgtggg 476

<210> 26277
<211> 291
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-G2

<400> 26277

gaaaaagtca aaggccatcg atccgaaacc ttccggccct ggtgggtcct ccgacatcaa 60
ccaattgggc gcctccggca atggcaagac agacagcacg aaggctgtgc angaggcatg 120
ggcatcggcg tgcggcggca ctgggaagca gacaatcctc atacccaang gcgacttcct 180
tgtcggacaa ctcaacttca caagcccttg caagggcgac gtgaccatcc aggtggatgg 240
caatctgctg gcgaccacgg acctaagcca gtacaaggac catggtaatt g 291

<210> 26278
<211> 237
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A7

<400> 26278

actgcctaca ccacttgata gacagtgttg ggcttccatt cggcggggat gacgtgcgtc 60
gtagacagtc ttagtgctc cctcggtggt gtagcggacg gtgatggaag cccaacactg 120
cctacaccac ttgatagacc ttttttattt ttttattcaa taaaaggata taagggtgtg 180
gacaacaaca caaatattgt attatctatg tatctcctat gcaatcccaa ttttatc 237

<210> 26279
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-A8

<400> 26279

cggacgcgtg ggcggacgcg tgggcggacg cgtgggcggg atggaagctg ccggcatcca 60
cgagaccacc tacaactcca tcatgaagtg cgacgtggat attaggaagg atctgtacgg 120
caacatcgtc ctctccggtg gcaccacat gttccctggg atcgtgaca ggatgagcaa 180

ggagatcact gccctggctc ccagcagcat gaagatcaag gtggtcgctc ctccagagag 240
gaagtacagt gtctggatcg gaggatccat cctggcatcc ctcagcacct tccagcagat 300
gtggatcgcc aaggccgagt acgacgagtc cgccccatcc aatcgccaca ggaaatgctt 360
ctaatttctt gggcccgaga aatgcaagcc gtgggggagc cgttacc 407

<210> 26280
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E12

<400> 26280

cccacgcgtc cgccacgcg tccggcttcc cggaccggct gcggttactg gtgtaggggg 60
cctaccaccg cccgcgccgc ttcacgccgg ggttcgtgct ccgcgacctc atccagtatc 120
tgtacagcga caaagtagaa gagaagaagg agctgatcaa ggggataacg ctcggtaaca 180
aagacaaatt ccagcttacg cctctgcccc agcaagttct tgtgttatgg ggagagcacg 240
atcagatatt ccctgtcgag aaggcatttg aagtggcaag ggaacttggc gcaaagtcta 300
agttggaggt gctcgaggac accggccaca tgccccagga agaggatccg aagcggttca 360
acg 363

<210> 26281
<211> 140
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-E3

<400> 26281

tagttcatcg gtcttgctaa ttgttgatgg gtgcttcatt aatttgattt gatgggtctc 60
atggctacta gaaacaaaac tacttttgat aaaatgcang gcatgaaaag cgtttctgca 120
gtccttaaat tgctcgtttt 140

<210> 26282
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E4

<400> 26282

ccctccctcc ctcacacaaa taataatgta aaggtcccgc ctttttcctc cgacatcggc 60
aaggggggag gggaaaacac gtacattcac ccggcgccaa taatggcctc ggttcgggt 120
ccggcgacga cgaccgcgc cgtcacccta tgcctatgag tcgtcctctc ctgtgccgcg 180
gctgacgacc cgaacctccc cgactacgtc atccagggcc gcgtgtactg cgacacctgc 240
cgcgccgggt tcgtgaccaa cgtcaccgag tacatcgagg gcgccaaggt gaggctggag 300
tgcaagcact tcggcaccgg caagctcgag cgcgccatcg acggagtcac cgacgcgacc 360
ggcacctaca cgatcgagc 379

<210> 26283

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E5

<400> 26283

cccacgcgtc cggcttgcta gttgagctct tattatgttc ttgttcttgt tcctgggggg 60
atcgctctcg tgtggcgggtg ttgatgtaca tgtcagggtc gtgttggtatg cgctgggatg 120
ggagattaca taagatgcta cagagatcga ttcatacgtg gaaagaggac cggactccgc 180
cgagtatccg agtgttctgg actcagatct gtcctgggca gaaactagat gcaaataaat 240
catgttact aagacaaaaa tgaccgaata catcccc 277

<210> 26284

<211> 382

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E6

<400> 26284

cccacgcgtc cgactagatc tgatatctca tgttgaatct tcccatgggg atatgtggac 60
agattaacaa aatgaactta ttgaatcacc tgctgagatg ctctatggat cgattcatgt 120
tcggtctact actacaagtg aagggtgtgc cgcattgctg gataagtaca ggaacgttga 180

gttcggcaga tgccctctag tgtattgcag cgGCCAACCA tgcctttctg tcgggcaatc 240
 ggatgtttct cgtacaagta cggcgaagat ttactgccct acatgtgaag acatctacac 300
 tgcaagatcc aaatatgtaa gcaacatcga cggcacttac tgtgtgacaa cattccccca 360
 cttgttcttg atgacatacc cg 382

<210> 26285
 <211> 353
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-E7

<400> 26285

cggacgcgtg ggccgacgcc ttggcgcttt gagccgangc cgccaacaaa aaccaggtgg 60
 gcgttacccc tcggcctgcc aatgccttca tcggcctcat gtacgggctg ttccgggtca 120
 tgggctacgt cccgttcggg gacgccacgc gggacatcat caccaccaac ctccggagccc 180
 ggtggctgtc ggccgccgtg cagctggggc tctgcatcaa cctcttcttc acgatgccgg 240
 tgatgatgaa ccccggtgtac gaggtcgccg agcgctgtct ccacggcaag cgggtactgt 300
 ggtggcttaa gtggctgtg gtcgtcgctg tcggactcgc cgccatgtac gtg 353

<210> 26286
 <211> 311
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-E9

<400> 26286

tcgnccacgc gttcggccac gcgttcgagc ttaccaagag agccaggtgt tggccaagag 60
 gggccaatca ggccaacggt ccaggaaaaa tccaacctta ccaacacagc agcagcaagc 120
 cccaccggtt cgacgacatg gcccgctcgg cgcccgcgcc gtgttggcgc tcctagtggc 180
 ggtcgcgcg gtggccgcgt tctcgcggt gccggcctcg gcgaagtccg gggagctgag 240
 cgcgatgggg ttgctggcgg cgaagggcgg cagcggcgcg ggcccgcaga agtgctcggg 300
 cgcggtgggc g 311

<210> 26287
 <211> 389
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-F10

<400> 26287

ctgtatcgca ttgcttgccg gagcgctgat aggcacacac gtacagccat ggcgaacgcg 60
 tcgttcggcc tggcgggtgag cgacgagtgc aaggtgaagt tccgggatct gaaggcgccg 120
 cggagcttcc ggttcacgtg gttcaggatc gacgacaagg acatggagat caaggtggac 180
 cgccctcggcg agccgaacca gggctacggc gacttcaccg acagcctccc cgccgacgag 240
 tgccgctacg ccatctacga cctcgacttc accaccgtcg agaactgccg gaagagcaag 300
 atctttcttct tctcctgggc ccctgatact gcacgcaccc ggagcaagat gctgtacgcc 360
 agctccaagg acaggttcan gaggagct 389

<210> 26288
 <211> 389
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F11

<400> 26288

cggacgcgta cgcggacgcg tgggctgtcg agacctgatt cgacatcgag atcgacggca 60
 agtttgcagg cgggatcgtg ctggcactgt ttggggacac cgcttcctaaa actgcagaga 120
 acttccgagc actttgcaca ggggagaaaag gaattgccaa ctccggcaag cctgtgtggt 180
 acaaggggtc gacgttcac aggatcatcc cggggttcat gatccagga ggcgacttca 240
 ccaacggcaa cggcacgggg ggcgagtcca tctacggcag caccatcttc tccgacgaga 300
 acttcaagca caccacgct aaagccggtg cgctgtccat ggctaactac gggcccgaact 360
 ccaatggctc ccagttcttc atcaccacc 389

<210> 26289
 <211> 388
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F12

<400> 26289

cggacgcgtc cggtgacccc gccacctac acaccggcga tcacgcccac caagaaggag 60
gactacaagc cgaagccgac gccggaggcc gccaccgagg cgaactacgc gtcgttgtgg 120
tcgccaagc gcctcatgca gcgcgtgcc cgcgctttcc gccgcagcag gtcgcgcgcc 180
cgcgtcagga cggtaagga cctcgccgag gaacgggcct cagtgtctgc cgccagcagc 240
aaggtctctg atgaggcggc ggcgggcggt accgcggtgc cgctgcagg tgccaagacc 300
tgcagcagca acgatgcccg cgacggcgcc atgggcagcg tgcaggacga gccggcgagg 360
cagcgccacg atgactatta ccccgaga 388

<210> 26290

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F2

<400> 26290

tcggccacgc gttcgattcc aggaagccag tttgatggtg ctgggactta attgggcacc 60
gagtctttat ggtattttac tggctgaccc cccaccaaac tctggcgga acacaaagtt 120
ttgatttgca ggcattccgt tttagtgcac acatagagtt tctgaggcaa tcaagagttg 180
ttcgaccggc gcttctggtg tcaatattat gtgcttacia gaagcctgga caatgccttt 240
tgccttctgc acacgcgaga aaagatggtg tgaatttgct gaaccagttg atggagaatc 300
tactcaattc cttcaggaac ttgcacagaa gtataacatg gtaatagtga gcccaatcct 360
tgaaagg 367

<210> 26291

<211> 62

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F4

<400> 26291

cccacgcgtc cggcgaggcg gtatagtcta tatgagaggc atgtatccag tagcgcgctt 60
at 62

<210> 26292
<211> 322
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F5

<400> 26292

cccacgcgtc cgctccgata catcaactat cgccgagagc gatcgagaga taaatgagta 60
tgtataaagt ggcatacatg tcagccgctc tcttcgtgct agccctgacg ctagtttgtg 120
ccccgctgat cgcagaggca aagaagaaga gactcgccgc cgacgccgcc gaggagaaga 180
aggtgcatga caacttctgc tcgacgctgt gcgagggcag gaaggggatg gacctggtgg 240
tgtgcaacga gtgctacgac ctctcacagc gcttcaacct ggtgctgtac ggccctgatcc 300
agtgcgaagg caagtgcacc ga 322

<210> 26293
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-F6

<400> 26293

cggacgcgtg ggcggacgcg tgggcggctg cgtgggcgga cgcgtgggct ccgacgggga 60
ctttaagcac acccagctg aagccggtac gctgtccatg gctaactacg ggcccgactc 120
caatggctcc cagttcttca tcaccaccgt agacgaaaac cggttgcca agaagctgga 180
cgggcgccac gtggtgttcg gcaagggtgt gaaagggatg gacgtcgtgc gcaagatcga 240
agccgagggc cagctcaccg gtgtgctcaa ggccaaagtc gtcataacca acagcggcca 300
gctgccagcg cccgccgacg gcggccatcg tgacctctga tcgatgacga ggagaacgac 360
tcacgatcca tcaatccgat cgatc 385

<210> 26294
<211> 397
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-F7

<400> 26294

nccgcgcgtt cgcaaaactg gttttgggtt taattgggtc acaaatgcct ttggctggag 60
taattgggtg gttgggtggtc atgtgaatgt ccgagcttcc cattttcaaa atgttaatat 120
ttcatatctg ataaagttta taagtttatt gtcgtcatta agatgggtta agaaggatgc 180
ctgctgtgtt ttaggatgag gctccatttg gaagtcaata gtgcaacact gctcattcca 240
atgatatacc ccactacaa acagacactt ggtcataatt ggctttcgca cattcatatt 300
caatgtctca aacttggttat tacgattctg cggatgggtc gacaaaaccc tgggcatagt 360
gtgattattg acactaatat tagttccaaa gcatttc 397

<210> 26295

<211> 301

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G1

<400> 26295

tgagaaggaa gagtcaaagg gcatcgatgc gaaagcgtcc gggcctggtg ggtccttcga 60
catcaccâag ttgggcgcct ccggcaatgg caagacagac agcacgaagg ctgtgcagga 120
ggcatgggca tcggcgtgcg gcggcactgg gaagcaaaca atcctcatac ccaagggcga 180
cttccttgtc ggacaactca acttcacagg cccttgcaag ggcgacgtga ccatccaggt 240
ggatggcaat ctgcttgca ccacggacct aagccagtac aaggaccatg gtaattggat 300
c 301

<210> 26296

<211> 351

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-E11

<400> 26296

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aaattaaaaa aaaaaaaaaa aaaaaaaaaa caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aacaiaaaaaa aaaaaaaaaa agaggggggg ccccatcaaa aggaccaaag ctaaccgccc 180
ggggcagcaa agaaaaaact tttcttaaag ggcacccaaa actaaattca cggggcgag 240
atcaaaaacg gtgcaatggg aaaaaccgc ggtttcccaa cctaaatgga aaagggcaaa 300
agccccgttg caaacgtga ataaaaacca aaaggggctg aacgattacc c 351

<210> 26297
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-G11

<400> 26297

gaataccgc cgggaccac ggcgcgcgg acgcctcctc ccacccttc ggcttcgct 60
gcgttttttt tttggagctt aacagcagtt tttaacacat tggcatggcg cgcgagtga 120
tgatgcgtga ctacacagca tgatacatgc ttgtacaact agaggctaca catgttacga 180
ctggataccc tatttactag ctctgacgta cattactagt gctggaagat aagtggtaac 240
ctgcaggaaa aatatagacc aaactcatcg cagggaaata agaaaattgg acagatcgaa 300
atcgc 305

<210> 26298
<211> 383
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-G12

<400> 26298

cgcacgcgtc cggccacgcg tccgcatatc tcgaaccag taaatcacca gcgtacgaag 60
cacattgaga tcgatctaca cttcgtccgt gagcgtgttg cggtcggtgc tgttcgagta 120
ttgcatgttc ctactgcctc tcagtatgct gatattctca ccaagggatt gccttcacg 180
gtgttcacaa aattcaggtc tagtctgaac attcttcag gtggctgacc acgttcagac 240
tgcggggggg ggggtgttg attactatat ttagattgat catcttcctt gttttagtat 300

tgcatgtcac cattattgta tacgtgcatg gcacgngat caccttccat ctctagtga 360
 tggctatact taaggctgtg ttg 383

<210> 26299
 <211> 391
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-B7

<400> 26299

cccacgcgtn cgaaaagggt tgaatttgct gcgcttagag tcagcagaag ctatcttggg 60
 agcgactggt ttcaaacctg aaaattgtct gcaaacagca attcagcctt ctcttgaagg 120
 tattcctaata ggtggtgtgg atacggctac agaacatccg cctagcgtag ataattacca 180
 gacaagctat aatggctctg aatgggttga gctattagtc acagagatga gaaatgcttc 240
 tgacataaac gatgcacggg ctctgctgctc aagagctctg gaggctttgg agaaaacgat 300
 tgtagagcgt gcaggagctg aagctacaca aaacctgcat aaggaaaaca tgatgctcaa 360
 ggagcagttg actgttggtc tgcgagagaa c 391

<210> 26300
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B9

<400> 26300

tcgatcaccg gacgccttgt ccgtttggcg tttaatttgg actggccaag aaaatgcaag 60
 gggccctgct tgtgctgcac ctccgcgaaa ataaatgggt aggaagccca aagggtaatg 120
 gaaatggcaa aggaacagca ctctgtgctt gttcatggcg aaaggcatgg ggcttggtgc 180
 tggttcaagc tccgctggct cctcgagggc gctggccacc gtgtcacgtg cgttgacctg 240
 gccggaggcg gcgtcgatcc taccgacccc aacaccatcc ggtccttcaa gcagtacgac 300
 aagccgctca tagacctcat ctccaacttg ccagacggag agaaggtgat tctgatcgga 360
 catggcgctg gagggtgag tgtgatccat gcaatgcatg aa 402

<210> 26301
<211> 197
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C1

<400> 26301

ctctctctct cttatctcct tccaagattc cccattttt ttgttggtgt cccccccatt 60
cttgctagga tcattccttg atctttcgct cgctccagta cgcttggttt ccagctccgg 120
agatcccatc tcggccacct cctgcggtct ccaagctcca agaggccaga ttccagcaca 180
aatttgaggt caatttg 197

<210> 26302
<211> 364
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C10

<400> 26302

ggaaaacccg gcgggacca cgctccgcc gacgcgtccg cccacgcgtc cgctgtgagg 60
tgaaccagca gcctccaata aaatcgaccg cattcaaata aaaccgagag acctcagccc 120
tcaggcaagc cgaccgccga cgtaccaccg cgccaacccg agagaaagat ggagatgatc 180
aagaggatcc tcatcgccgc gtcctcgta gtcgccgtct cggccaccgc aatgctggcc 240
tccaccgagg ccgccgacgc cggcgcccca gccgcctccg agtcgtcggc gtccgccgaa 300
gccccgctg gcgccgccag cgccggcgcc ggcaccggca ccgccagagt gccctccgcc 360
agcg 364

<210> 26303
<211> 200
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C12

<400> 26303

ggcaaggctc tcggcctgcc gatgccatcg tcctaccgcg ccgtctagag cgctcaggga 60
tcgcgcacgg tgctgtacac aactaaagga gagcgagagg ggactttttc tcgcgtttcc 120

ttctctagcc agccttgtct gtccctcct cgtttattct ctctctctct ttttctgttc 180
gcttccgagg aataataccc 200

<210> 26304
<211> 390
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-C3

<400> 26304

gagcccgaga gcttcccttg cggcgagta ttcagtccgg ctcacgcgat ctgactttcg 60
cggaggttct tgaatgtgat cgcattcatt caacaaatcc aagttaaaca gattgctgac 120
aacagcattg agcaagcatt gatagaaaat cctcctaatt tgctgaaatg gaagccatca 180
gaaagagcta aacggtttcg acgatgcagg tcaactccct cagatcccac cgatcaaaaa 240
cctgcagaaa acggatctgt gcttaaagcc aaagagttat tcaaggagaa aaggccgagc 300
ttcatgcttg taggcctcct ccttttcgcc tacctactag tgggtgtcat catctnttac 360
ctattcatgg atcaattatc tgggaagaca 390

<210> 26305
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C4

<400> 26305

cccacgcgtc cggctctcga tgccatatag gagttggtcc tcatggactg cggccaggac 60
ggcgttggtc cacggcctga acaccaggcg ccgccaatt gctgcgccac cgaggtcccg 120
cagagcccga cgctctcttc cgaagaattc ctccagttca agaggaaggc caccacgatc 180
gtggaggagt acttctccac ggacgacgtc gccgcgacgg cgaacgagct gcgggagctc 240
cgcgtcccgt gctaccactt ctacttcgtc aagaagctgg tctccgtggc aatggaccgc 300
cacgacaggg agaaggagaa ggcggcgggtg ctgctgtcct cgctctacgg cgacgtcgtc 360
gaccgccccg agc 373

<210> 26306
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C5

<400> 26306

ggcgacggca agacgacgct gcttcacttt gttgtccagg agatcattcg gtcagacgac 60
gtgCGTgcgg ttCGggccgc caaagagcag agcaacagca gcatatccag cgtgacttct 120
gacgatctca ccgaggatgt cagcgacgac acggagcact acaagcagct aggcctgggc 180
gtcgtttcca gcctgggaga cgacctccag aacgtgcgga aggcggcaat cctggacgcc 240
gatgcgctga ccatctcggg ggcgagcctg gggcacaagc tggTgaaggc gaacgagttc 300
ttgaacacgg gcatgaagag cttagacgag gacagtgggt tccatcgcaa gcttggcgag 360
ttcatcgagc agtcccaggT gcgcgtg 387

<210> 26307
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-C9

<400> 26307

tttgtcctga gcatgtcagc aagtaaggac gtgcttgccc ttgcttcact cgaggtggac 60
ctctccagca ttgagccagg gaccacggtg actgtgaagt ggcgtggaaa gccagtcttc 120
atcagacgcc ggacggacga cgacatcaag cttgccaaca gtgtggatgt ggcacccctg 180
cgccacccag agcaggatgc aaagcgtgtg aag 213

<210> 26308
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D10

<400> 26308

cggacgcgtg ggcggacgcg tgggcgctag cgagcgagag agacgcacat ctatctgcga 60

gcttacgccg cggcctcgat cagagtcaga ggcgaacacc cccatggcgg cggctggcgg 120
 cggcgcacga gggaaggtat ccttcaagat catcctcacc tccgaccca agtcccttt 180
 caaagtgttc agcgtgcccc aggcggcgcc ctttaccgcg gtgctcaagt acgccgcgga 240
 ggagttcaag gtccgcctc agaccagcgc catcatcacc aacgatggaa ttggcatcaa 300
 cccccagcaa agtgcaggca acgtgtttct gaaacatggt tcggagctgc gtctcatccc 360
 tcgcatagg gttggagctg tagtca 386

<210> 26309
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D11

<400> 26309
 cccacgcgtc cgctcaacag ggagaacatc agtgaccggc atcctattca ggcataaggca 60
 gtgatggcag ggagtttctt gagcgcatgt cattgttaat tacccttggc atgggaaagg 120
 tctttctggt caggcctgtt ctcttctagc ttccatttg ttgcttcttc tagtgcctta 180
 ttctgtttca acacctcttc caatttcttc ctgagccttc gattttcttt gacatagttg 240
 tgcagccggt caatgactaa agcaaggaat aaggagtatc ccatgagtga cgcctcgagg 300
 aggtgtcgcg caagaaggac ctggtcggtg ggggtgagcc ccacgacccc ggagccgtcg 360
 agtccctt cggcgtggcc gcgcatcttg gccatgctgt gg 402

<210> 26310
 <211> 370
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D2

<400> 26310
 gagagagaga gggagagga gagtcttttt ctctacctgc ccgacccgag cgccggcgcg 60
 atggaatggg gggcgagca ccaccaccg cttagcgtat tcctccggga cgcgaggctc 120
 gcattcagat gggacgagct cggtcaggag atcatgagga tcgcggtgcc cggcgcgctc 180
 gcgctcatgg ctgaccagc cgctccctc gtcgacaccg ctttcattgg ccacataggt 240

ccagttgaac ttggagctgt aggtgtatca attgccgtgt ttaatcaggt ctcaagaatt 300
gcagtgttcc cacttggttag cgtcacaaca tcatttgttg ctgaggagga tgctatgtcc 360
aatggcagag 370

<210> 26311
<211> 189
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D3

<400> 26311

tcgcgacgcg tacgactagg tctagatccc tcgccgtcgc gctcgtccgc gtgctccgcg 60
gcgtcgatct tcccacattg gccttcatga cgcctcaatt ctacaccttc ttcgtcgggc 120
ccatcgggcg gctctacgcg atgtcgctct gggctctcaa cttcggctat atctacctgg 180
ccgggggcat 189

<210> 26312
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D4

<400> 26312

atgctgctct atgtggctgc ctttgctttc catgcagcca caaggctggc ccgcaggtgc 60
gggttcaggc caccatgcat cctatccacg aggctggacc gcgccctcca tggaaacttg 120
tcatggttct acgaggacct ggactgtatc atgcatgagc ccgaggtctc gtctctggct 180
cattgcaaga gccaaggccg gcttgacagg tacagcgatt tcattgaata atgccttcca 240
tcatgcaact tggagctggt gccctataag aggccgtgta ctatcaggct tcaacaatta 300
gcaggttgct acttgctagc ggcacaacat catt 334

<210> 26313
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D5

<400> 26313

gcggagccca cgccttgact cgctcctttc gagtggagcg cacaggcacc ggccgtgtac 60
cagttaggga gcggatcgag ggggctcggc ttgagtggag gagatggacc gcaaggatgt 120
ctggatcctc gccatggaca tctacttacc gtctcctgc gtgcagcagg aagcattga 180
ggcccatgat ggggcgagca aaggcaagta caccattggg cttgggcaag attgcatggc 240
cttttgcagc gaggtggagg atgtcatctc aatgagtttg actgttgtca attctctgct 300
gaaaaaatac aagattgatc ccaagcta attggtcgcttg gaggtgggaa g 351

<210> 26314

<211> 172

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-D7

<400> 26314

ctttctttct catcttatta aaagagattt ggcacgagga actacattga ccaaaacctt 60
tgggggccctt caatgtctgt tagcggtagg attaatgttc cagtgtattcc gactccgctt 120
tttgccaatg cttcagccga gaaaagtggc aaaaacttca tgattgattt ca 172

<210> 26315

<211> 296

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-040-Q1-K1-E1

<400> 26315

ggaaccacca ctcccggggc caaaatggga ccgggggaaa tcctagcttg aggtgccgcc 60
gccgcccgtg ctgcttacng agcacacaag ctttctcatg gccatagcgg acacggtgga 120
catgggccct ttggaggcca tggtcgtggt cgtggtgggt atggccgtgg tcgtggccac 180
cacggcaagt tcaagcatgg caagcatgga cacggcatgt tcggcggcaa gttcaagaag 240
tggaagtgat gtgttgatcg taactagcgg tggtaatgga tcacgattta aatgtt 296

<210> 26316

<211> 265

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-B6
 <400> 26316
 cgcacgcctc cggcgaacac caccattttc cctgcgatgc ctataccaat cccggcggcg 60
 ctcttttcggg gacgatgagc tactacaatc cccacggcca tggcggcgcg cccccgtctt 120
 cgccgagccc ctcccagtat ggcggccgcg cgtctcccca aggggtaccca atggaccgcg 180
 acgcggagcg cgggatggag caccaccacc accaccagta cgggccgtct tcgccgtagc 240
 cgatgtacgc gtcgtcgtac gggca 265

<210> 26317
 <211> 236
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-E10
 <400> 26317
 acgaatcctg ctgaatctac aggcactaaa tgggtatggt gtaattaatg agccgcgttg 60
 tatttaagcc agctagtcac tatagtata tggtaactgg ggtattcatt atttctgtaa 120
 tactgtcaaa tcttttttct aatttctcta ttaagccgag atatgtttct aaaacaaaaa 180
 tatggaaaaa aaccttcacg tgtatagcat tctacaacac aaaatattta taactg 236

<210> 26318
 <211> 370
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-H2
 <400> 26318
 ggacggacgg gtacttcgtg ccggcgctgt tctgaaccc ggcgtaccag gacgagctcg 60
 acgggatgtt cctcgggaag gactcgggtg tctacctctt ggcgcactac ctgttccacc 120
 cgacgaacga ggtttggggg ctggtgacga ggttccacag gtcgtacctg aggggctcgg 180
 acgaaaggct gggcatccag gtgaggggtg tcgacggaga cggcccggtc cagcacatcc 240
 tggaccagat cctcgcctgc acttcgcagg aacacctgct ccccgacgtg gcggtgacgc 300

aagagccgtc ggcgggcccgc ggcgcgcggt ccaaggccgt cctgatgacc ggcctcagct 360
cgtggtacta 370

<210> 26319
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H4

<400> 26319

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cggcctacgt cctgctgacg acgcaggaga cgccggcctg gctccccgcc gtcggcctag 120
cgctcgtcgc gctcccgtag gcggttctgga tctcacttg cgcgtaccgg tgcgccgccg 180
cgcgggccgc ggagcgcatt acgatggccg tggcgccggc tgctggtagc atgtgctcgc 240
gctccggctc gtgagcagta accgtaagac acttagccgt gcgaattcac tttcagggtca 300
attgttacat gatggttcta tacacgtcat tgcattaaga aatcaagatc atatacatgc 360
tggtatccgt ccgtccttaa cagtatttaa cgatcgctga agctgcacaa c 411

<210> 26320
<211> 360
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H5

<400> 26320

accacgcgtc cgctcacgcg ttcgacgacg cttggggcgc cgtccagctc ggcgaccgtg 60
tgtcgctggg agaacgaggt gctccgactt gtcgaggagt gcagaggcgt tgtcatggac 120
atccaggagg agatgccggc ggacgacccg gtgttgcgct cctggcagat ggcctaccgc 180
gctgccgtca tgcccatcgg cgccccggac atgctccact actgatgatt gccttcacca 240
accacaccac catacatctg aggctgtcag ctggggctgg ttggcaacaa tacaagaaga 300
attggctgcc tgttaacaac attgacatct actacctacc tggctgcttt gagaattaca 360

<210> 26321
<211> 58

<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H6

<400> 26321

cccacgcgtg cggtagagatt gctgttactt ttaccggcga accgcgacca cctcggag 58

<210> 26322
<211> 411
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-H7

<400> 26322

cggacgcgtg ggccgctctc gtcttcgcca tactcatgac cgccgccggt gcggagcagg 60
ggccggcgcc cgcgccaacc agcgacggca catcaatcga cctggggatt gcgtacatcc 120
ttatgctggt tgccctagtgc ctcacctacc tgatccaccc gcttgacgcg tactgccctt 180
acaagctctt ctgatccctg cgcctttccg tttggtcatg cggntaaggc cgcgatagga 240
ttttgagtta ggcaacgtgc ttatgtgagg ctgggaggtt taggatgatg attgcgggtca 300
tctggtcttg cttggtatga tgtattggag gctcgaagct gctggtgttc tgattgagtt 360
tgtatcggac ggactccatg atctttgagc tcagtccttc agttctgctc t 411

<210> 26323
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H8

<400> 26323

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gtcaagctcg ccgagtactt caacgtcacc gacgggggtg tcagctacaa ccagatgggc 120
gacgtgcccc ccgccgttaa cgggcccact catgtcatcc ccaacgtcat caccgccgag 180
ttccggacct tcacgagat cgtcttcgag aaccccgaga agagcataga ctccctccac 240
ctcgacggct acgccttctt cggcgtcggg atggggcctg ggacttggtc gccggagatg 300

aggaagacgt acaacctact ggacacggtg agtccggaca cgatccaagt gtacccgcgg 360
tcatggactg cgataatgct ggcat 385

<210> 26324
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A10

<400> 26324

cccggcggga gccacgcgtc cgcccacgcg tccgccgacg cgtgggtggt cgtcgggggtg 60
tactgcgcga gcaggtatgg agctgttatt ggcaaccggc gtcatgcgcc gaaaatggaa 120
gtcaggacc tgacggccgg actggccagc ggcaggatat gtgctgagga gaacatcgac 180
cagctggtgg ctctgaggc agaacgcca gccgatgcca cggtcacgga cacgctggct 240
gattaacgga ccattgtgcc attgttgctg cgagagagat gtgcgtcagc caacatgtgt 300
gctattgctt t 311

<210> 26325
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A12

<400> 26325

gaccatccct gcaaattacc gcgatggtgc ccaagatcct agtcatcctt gtgtggcgcg 60
ccgttgccct accggtgct ctggccgcct tcgatgtgat agagatgctg gccgacaagc 120
ccacgtactc cacgttcctg aagctcctgc aggacaccaa ggtcgcgggc gaggcgaatc 180
agctccggtc ggcgacgcta ctggtcgtcc ccgacaaact tgccaagcct ctggcgctgc 240
tgcccgccga taaggtgcgg ccggcggtgg agaaccacgt ccttcttagt tacttcgacc 300
gcatcaagct ggacgagatt gagacacgca ccagcatcct tctcacgctg ctcttcgtca 360
ccgacaag 368

<210> 26326
<211> 330
<212> DNA

<213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-A5
 <400> 26326
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 tcctcactcc tctccgagaa cccctttttt catctctctc tctcgctag ctcctttcgc 120
 gatgttatct tctctgctgg cctcacaact cgagagagac tcgtgaaaag aatccagata 180
 tataaagaga tcgagggcag ctagcttaat tattagcatg tcgatgagct tcttgagcat 240
 ggtggaggcg gagctgccgc cgggggttcg gttccaccgc agggacgacg agctcatntg 300
 cgactacctc gcgccaagc tcggcgccaa 330

<210> 26327
 <211> 337
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-A6
 <400> 26327
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 gaggggtgggg cggaccctcg gccatttggg atttgtgcgc gccattgacg gcgtggggag 120
 gaggggtgggg cacagcagat ggggaggagg gcgcgatggg gtggaacctc ggcgacctac 180
 catcgacagc gtgggcgttg atggcaacct cggatgatgg ggatcgtaga gctgaggggt 240
 aggggatcct tgacacctgc ctttgatggt ggggtaggag atccttgtca cattacgacg 300
 atggtggcgc ggatgacagg cgttggtgcc tgcacgc 337

<210> 26328
 <211> 367
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-A8
 <400> 26328
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gggctggccc ggcgggaact taacgacttc ctggtgaaaa atccggcttg accgcggtcc 120
 tctttaacaa ccaccgctgg acgggaaaat cgtgaggac atgaaggaga agctcgcta 180
 catcgccctg gactacgacc aggagatgga gaccgccaag accagctctt ccgtggagaa 240
 gagctacgag ctccccgacg gacaggtcat caccatcggc gccgagcgct tccgctgccc 300
 cgaggctctc ttccagccat ccttcacgg gatggaagct gccggcatcc acgagaaccac 360
 ctacaac 367

<210> 26329
 <211> 381
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-A9

<400> 26329
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 accagccggg gcaacgtgc cgtcttcggt tcttccatcc gtccctaacc cggaaagtat 120
 tcgaccacgg aagcagcata acctccgtac atcccacccc cggtcgcctg tactgtactc 180
 gtcccgtctt agacgatcga tggccgccac ggcagcggaa gagatggaaa ggattgtgga 240
 ggcggaatgg gatgagggtg agcaacggat gaggcataag cagcggcgcc gaccgcttgc 300
 gctgccggca cggcctgttt cactcatgct caatggggat ggaagctgcc ggtatcgacg 360
 agagcagcta caactgcatg a 381

<210> 26330
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B10

<400> 26330
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 ttcacgcctc cctcacaaa taaggctccg cccttttcg acattcacag gggggacagg 120
 aaatcagcgg ccatggcctc gattccggcg acgaccttcg ccgtcatctt atccgtcctc 180
 ttctgtgccg cggctggcac cgccgtcgac aacgacctcc ccgactacgt catccagggc 240

cgcgctctact gcgacacctg ccgcgccggg ttcgtgacca atgtcaccga gtacatcgcg 300
ggcgccaagg tgaggctgga gtgcaagcac ttcggcaccg gcaagctcga gcgctccatc 360
gacgggggtga ccgacgcgaa cggcacgtac acgatcgagc 400

<210> 26331
<211> 417
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-040-Q1-K1-B12
<400> 26331

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gcgtttcaga tccgcgggca accacgcggt ctccggtgac ggcggagacg tcatggcccg 120
tgccgtctgc agcgggagcc cgagctcatc gttctcgact ggcacctgcc agcagcccgg 180
aggaggcggc ggcggcggcg atcacctggg ggacgacgac ctgctctatg ttcctgacta 240
tgccctacgt gacagcagcg tggctcgagt gtttagcctg tatggactga tgtaatcgat 300
ggtatggtat gccatcgctg tcggcagatt aattctagct agctactcat cgtagcgtgt 360
cattgctgtg ctgaattgct gatttctatg tgcgcctct taatcatatg tgcataa 417

<210> 26332
<211> 305
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-040-Q1-K1-B2
<400> 26332

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cgcttccgag gaataataat caaccaaagg ggctctgctc tatctcaaga agacttcatt 120
catgtgggca ccagcagtc ctcactgcc ggggcgggcg accagggaga ttaagaggcg 180
atggctccgt tcaatgcatg catgcggata tatgcatgcg taaacacatc gagacgccgn 240
aaaattgntc ttttatatgt atgtatatgt acatgcatat gtctnctgat tcaactttga 300
tgttt 305

<210> 26333
<211> 235
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B4

<400> 26333

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ccatacacag gtacgcaaga acgccactaa catggctagg ctgcccttga gagcataggt 120
ggttctgtgc ctctgtttg cgacgcggt cgacgggagc catcatcgtc aaggggatgg 180
tgtcattcga caattggatc atctgcaagg tactggacaa cttgaacaag aacct 235

<210> 26334
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-B5

<400> 26334

cgctcgtcgc ggcctggctg cccggcacgg aggcgcaggg catcacgcac gtgctgggcg 60
gggactatgg gttcacgggg aagctgccgc gcacgtgggt caagtccgtg gaccagctgc 120
ccatgaacta cggcgacaag cggtagcacc cgctgttccc gttcggcttc gggctcacca 180
ccaaggctgc cgcgagtcac gattagcaat tagagttaga ctctgctttt gctttttcgg 240
tgttgatgaa atagttagcg ggaacggcaa ataagcactt tttttttag aagatacaca 300
aagctttttt tttgtaggtg tagttaaaaa agaataataa aataattgat ttaggcct 358

<210> 26335
<211> 316
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-F12

<400> 26335

cccacgcgtc cgcggacgcg tgcgatcatt cgtgcgctac catctccgtc cacctcatgg 60
atacatcaat cagcatgttc tctaattctc tgcccatcga tgactctgat caaattcttc 120

tatcttcacc aagcaacgga agattcaaaa atgatgccac tgaacatatt gctcttgctg 180
 ccttcaacca tgcaaaggac aataactatt tctataatct ntcatgtaaa ttattaacac 240
 tcaatgtaat gcaaaaagta gcatatgaca aaagcttcaa tcagcctttg tcttgcagaa 300
 actattcatc cacttc 316

<210> 26336
 <211> 376
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F2

<400> 26336

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 cgtgggtccac cctatcgta cctcagaggc cgacgggtca tcttccacct ctggcgatgg 120
 tcgtcgcttg atcagctcca ccaaccaaga tgaacttggg gcgctatgcc aactgatgca 180
 ctacaagacg ttgtgctcca cgatgactac tctgcctggg gtgactacgc cagatcaact 240
 ctcagatgca tccctgcgga ttacatcgct gaaggcatcg atcgctgaca ttaagctcga 300
 cattgcaatc aatgcaggca gtgctcacgg taactcgatg atgtccgcgc tatagacacg 360
 caaggagagc ttcgcg 376

<210> 26337
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F3

<400> 26337

cccacgcgtc cgattcacta acccaagaca taacatggat gtgaatgtga gaaccatgtg 60
 gtcgtcgatg cgggcacagg ttgcgatggc tgtggtgttg gtgttcttgg tgagcggcgc 120
 atggtgcggt cctcccaaag tccccccagg caagaacatc acggccacct atggcaagga 180
 ctggctggac gctaaagcga catggtatgg caagccgacg ggtgccggtc ccgacgacaa 240
 cggtggtggc tgcgggtaca aggacgtgaa caagcccccc ttcaatagca tgggcgcatg 300
 cggcaacatc cccatcttca aggatggtct gggttgtggg tcctgcttcg agatcaagtg 360

cgataagcct gtggagtgt cccgcaagcc cgtggtggtg cacattacgg acatgaacta 420

<210> 26338
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F4

<400> 26338

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ggctgcgcac ccggtacatg tcgaccacgt tgtggagata cgcgtctcct gtcgagacgg 120
cgtatgatac ggtgatccca gacgtcatca caggcgagac catcacggtc acgctctggc 180
acggactagc tggacgctga atcgacgatg catctgcagc cgagcggttac cgggtccgat 240
ctcgacgggtg gtatctgcgg ctacgaggac ctgaacaatg ccgctcttgc atattatgat 300
gggcatgcgc taacat 316

<210> 26339
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F5

<400> 26339

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ggagttccac cccaatccc cacagcttcc cgcaccaact aatccgcca atttgcgggc 120
cactcccggc ggaaattcgt gacaaagccg cggttttttc ttcctttttt ctttcgctcc 180
cccgcccccg ttttcccttt tgactccgtc gccgggtctg ctcttttatt gctgcgcctg 240
cctgattgtc ttttctcgtc tgaacgcgcg gtattccgag gccggcgacc gcggattcgc 300
ctacggaagc ggcgatttgg tccacaggtg gcgaaaggat gatggatttg gggagattgc 360
tctagctagc gtggttctga t 381

<210> 26340
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F7

<400> 26340

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ggctccagcg ccgcccgcgc agcgacctca cccccggga gccgccggcg gtacccccct 120
ccctatcacg cctcatcgaa tctcaggtc taagtttttt tttgttttgt gagttatcca 180
aagttggacc gcaaagatga gtactgctaa tcactatcag cacatcaagt gaaccaagcc 240
tggttaggc aaagcaagaa aattgaagga tctcatgata aaaagtata ataggatatg 300
tgctgactgt tgtgcacctg atcccaaatg ggcactgct aatattggag tggtttcttg 360
cttaaaatgt ggagatggtc a 381

<210> 26341

<211> 429

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-F9

<400> 26341

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accggtgctg ccaaggctgt tggtaaagtt cttcctgac tgaatggcaa gctcactggt 120
atgtccttcc gtgttcctac tgtggatgac tcggttggtg acctcaccgt cagaatcgag 180
aagggggcct cctatgagga tatcaagaaa gctattaagg ctgcttcga ggggccactc 240
aagggtatca tgggttatgt ggaagaggat ctgggttcta ccgacttcct tggtgacagc 300
aggtcgagca tcttcgacgc caaggccggg atcgctctga acgaccactt cgtcaagctc 360
gtctcgtggt acgacaacga gtggggctac agcaaccgag tcgtcgacct gatccgncac 420
atgttcaag 429

<210> 26342

<211> 205

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-G10

<400> 26342

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aaagatcaat cagcatgtcc taatctatgc tctccattgt tgccgcacat caagtgtctt 120
gatgttcacc acgttactgt acatacaaaa ttcttgcgctc ttagcatatc gctcttgcggt 180
tattaaactg gcaaaggaaa atgac 205

<210> 26343
<211> 338
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-G11
<400> 26343

cccacgcgtc cgcccacgcg tccggaaaag gggcatggga cacatcatga tcatgggtatg 60
gtcttgttcc tgcaaggaca aaaaacatag attagttatc ttcagcatgt atgttctttt 120
cttattttac acaactagca aacatacggt tgtgtagcaa gttagcaaca gaatgcacag 180
cttggtatgt agtcacatgg gcgatttgtg gcttgagat ttattcaatg atcgtgccat 240
ctgttgcaat taaaaaaaa aaaaaaaaa aaaaaaaaa aaaaaaaaa aaaaaaaaa 300
aaaaaaaaa aaaaataaaa aaaataaaaa aaaaataa 338

<210> 26344
<211> 274
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-G12
<400> 26344

gtccgccgac gcgttcgcc acgcgtcctg ttttatctca ccgcaacaac tcctcattac 60
atcgggatat gttaagctga tcgattggca gatacgctact caggtggagc agagcaacga 120
gagacatggc gacgacgacg cgtgttgccg acgacgacac ctgcgtgctg ctggctcctgt 180
ctgcgttggc gaccctggcg cgggtccgtgg acccgtaact gttcttcgag tggaagggtga 240
cgtacgggac caagtccatg ctaggcgtgc ccca 274

<210> 26345
<211> 249

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-G2
 <400> 26345
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 cgccatccac cacgcggcca tggacggcgt gggcgcggtc cagtttatgc agacgtggtc 120
 cggggtggca cgcggcctgg acgtggcgga ggcgtgcggg ccgcagccgt tccacgaccg 180
 gacgctcctg cacgcgcggc gcccgccgtg cccgacatcc gaccacttcg tctactcccc 240
 ggcgttcct 249

<210> 26346
 <211> 386
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-G3
 <400> 26346
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 aagaagatcg acatgcaggt caccgcgcac ggctaccgcc agatagtgtc catatatgac 120
 attgtcttcg gggatatcgt ccacctgtcc atcggcgacc aggtgccagc ggacggcctg 180
 tacatcgacg gctactcggg agtggtcgac gactcgagcc tatccggcga gactgagcca 240
 gtgcatatgt acagtgcaaa acctttcctg ctcggcggta ccaaggtgca tgacgggtcg 300
 gccaggatgc tggtcaccgc ggtcgggatg cgaactgagt ggggaaacct catggaaacg 360
 ctgagccaag gctgtgagga cgagac 386

<210> 26347
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-G4
 <400> 26347
 cccacgcgtc cgagcagcat ctcgagtaac acagttgagc acgacgatgg gatccctcgc 60
 gaataacatc atggtcgtgg ggcgcgtcct tgctgcgctt gtcgtcagcg ggctcgtcgg 120

gccccctaag gtgcctcccc gcacccaaca ttaccaccaa ctacaacggc aagtggctca 180
 ccgccagggc cacctgttac ggtcagccca acagtgcggc cgctcctgac aacggcagtg 240
 cgtgctgat caagaacgtg aacctgccac gctacagcgg catgacggcc ttcagcaacg 300
 tgcccattct caaggaccgc aagggtgat gctcatgcta cgaggtgaga tgcattgaaa 360
 aacctgagtg ctccgggcaat cctgtcacgg tggt 394

<210> 26348
 <211> 167
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-G5

<400> 26348

atttcttctg ttttagggaa atttggatcc ataccattaa aagatcacca ctttggggcc 60
 ggaccattac tatcttactt acatgagggc ccacattaat caatgacatg tacgggtccat 120
 gatatatatc taaagtgttg atcttttaat ggtaaaaaaa acaaaaaa 167

<210> 26349
 <211> 478
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-G6

<400> 26349

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 ggccggccca gatccgagta cggcggcggc ggctgcggcg gcgagatgac tggcggcggc 120
 ccggccgcgg cgctgcaggc gtacggcgag gcatggtact gggacgagcg ctaccgcaag 180
 gaggcggggc ctttcgactg gtaccagaag taccggccc tggcggcgt gctccgcctc 240
 tacctcgcgc cgcaccaacg cctcctctc gttggctgcg gcaactccgt ctttgggtgag 300
 aacatgattg acgatggta tcaagatgtt gtcaacattg atatatcttc tgtggtaatt 360
 gagcaaatga agaagaaata ccacgataag cctcaactta aatacatgaa gatggatgta 420
 aagaacatgt cagattttga gtctggttct tttgatgctt gtattgacaa aagaacac 478

<210> 26350
<211> 364
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-G7

<400> 26350

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tggccgcaag cgtcctgtac aggttttcct ggaggacgac gagccctatt ctgcttcagg 120
gtcaaaaccc gccgctcctg gcaaggctac cgaagggtgcc aagaaggccg atgacaagag 180
cccaagcagc aagaagcttg cagtggcagc tcctgccgct gtgcagtcta catagtcaat 240
tgcagcttta gtagcccgca taaagagcat aacagcgctg gcaactggcg cttcatatn 300
gcatgtaatc ccagaagac tttagtctgg tcgtggctcg aagtataacc tcgttccag 360
cgtc 364

<210> 26351
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H10

<400> 26351

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agatgataaa acgtgacctg ggtcgaattg agaaatgggt tatccgtaat gcatttgatg 120
atgaggagag gccctattta cctaagcaca ttctctacag gcaaaaggaa cagttcagtg 180
atgggtgttg gtatagtgg atcgatggat tgaaagacca tgccagccaa catgtcttcg 240
attccatgat gatgaatgct ggctttgttt acccagagaa cacaccaca acaaaagaag 300
ggtactacta cagaatgata ttcgagaaat tcttttccaa acc 343

<210> 26352
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-H11

<400> 26352

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aacagtctca tgtctactcc tgctgtatct gctgtcatcc gtgaaagaat tggcgcagat 120

ggatcaaagg ctactggtgc cttcatcttg acagcgagcc ataaccagg tggtcctacg 180

gaggactttg gtatcaaata caatatggga aatgggtggac ctgcccctga atccgttacc 240

gacaagattt tctctaatac aacgacaatc tctgaatacc tcattctctga agaccttcca 300

gatgttgata tttctgttgt cgggtgaccc agcttcagtg gacccgaagg cccctttgat 360

gtggatgtct ttgactctag tgtaaattac ataaagttaa tgaagacaat ttttgacttc 420

gaagcaataa a 431

<210> 26353

<211> 421

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-F11

<400> 26353

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ccacgccgcg ggcgtcgtgt accgtgacct caagcccag aacgtgctcc tccgcgccga 120

cggccacgtc acgtcaccg acttcgacct gtcccgcctc ctccaccca gcaggtcgtc 180

cgcggagtcg tcgtcgcccc cgcggccagc gtcgctccgc ggccaccaca accgccggtc 240

gcgcgtcccc gcgcggagcg actcggttct cagccagcag gtcaagtcgt actccaactc 300

caacaactcc agggcccctc accagccctg gtccgcggcg tcgtcgccgc ggcagcagct 360

ccagagcctg gtccgctaca tcatggggag cggcgacggg accgngtggt gcaggaagag 420

c 421

<210> 26354

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-038-Q1-K1-D5

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 ttgattgtga ttcgaatacg ggaggttggt aggggttttcg aagtacgtac tgacggctgc 360
 ctgtaagctt t 371

<210> 26357
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D8

<400> 26357

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 acgtccacga ggcgtacgtc gtccagatcc accacttcct cgaggagtgc tacctctgcg 180
 ccaaatcgct ctactgcgac atcttcatgt acaggggtga cacgccgatc tgcaacgagg 240
 agtgcaagga gcagcacatc gaggatgaca gggcgaagca cctgctgaag aagcgcgcgg 300
 cgactcacgc gctgttcgca cgcattcagg agcaccggca ccagcagcag ctgcagcagc 360
 accaccacta gca 373

<210> 26358
 <211> 124
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E1

<400> 26358

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 gatcgggtta cagatgtgac acggcatcca aactccccac ctgtaatgtc ttgccaccgg 120
 atcg 124

<210> 26359
 <211> 333
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E10

<400> 26359

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ccacatcggg tatgttcaaa catgggtgcc tgtgcaacga agcctaagac gcttgagggg 120
aaagccccag ctgaggccac catcttcaca cccaagggtg cacctgacac cactgccatc 180
cacattgagg ttgcggcgaa acaagcagta gttgataagg tggaagatga caaggaagag 240
gcactaacag tggctgcgaa acaagagcca gcagccacca tcgagcctca acagattgct 300
ggatgaagtga ccacttcaga agtggctgtc gtc 333

<210> 26360

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E11

<400> 26360

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gttcgcgtct cctcgtcgtg gcgccccttc tctcctctc cctcctcgtc tccgcgcggg 120
ccagtgcgcg gaccgtgggc gacaccgtgc aggacgcgtg cagcaagacc cagttcccca 180
agatctgcgt ggacagcctc gccgccaagc cggagagcca gaaggcgacg ccgcgcaagc 240
tggcggagct gttcgtgaac atcgcggccg agaagggatc cgggatggcc accttcgtgc 300
accgcaagta cagcgacaag gaggacagcg acatattcaa gtgctacgac agctgctccg 360
acgacgtgga ggaagccgtc gcccacctca acggcctcgt ccgggagccc accgacg 417

<210> 26361

<211> 383

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E12

<400> 26361

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cattgtcgat gactgccact ctggctgctc ctacggtcag gttgggtcgg gcggctgcgg 120

cctgggtcgt gcgctggtgg gcactgggtg cgaaggcatc ggccagattt ggggaaattc 180
ctcaccgaag atcaacagtg ccgccgatcc gctgctcacg atgaccgtct ctaccactac 240
ttcgaccgcc attgagcgcg aggacacgtg tcatccgaaa agcaagttgg tacctggaat 300
ctcaagtgcc aggagaagaa caggtgggtc aagaggagcc gcctaact gaggagtctg 360
atctgatcta tgtggcgtgt ctc 383

<210> 26362
<211> 392
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-E2
<400> 26362

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cagcctggat ctgatacgag acaagccgat tactttgcag gaaggtctgc tccagttcat 120
caagcatccc aggaaattgg tgtatatgga agagttgatg ctgataacca caacatgtcc 180
attcttgga ctactccata tggaagacag caagcagcct cattgttgga aggagctcca 240
aagacaaaca ttgacagcct ctatggacaa agatcatcaa gtgctggttt tgggtgcatgt 300
cttctctctg gacgtgatta tgctcaagg aaaggcctgc tccatccatc ttcggatcct 360
gattaccag atagcatctt acccgtgta ca 392

<210> 26363
<211> 319
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-E3
<400> 26363

caggcgctca cgttctgcga caccatgtac atgaacacgc aggacaccat cggcgcgggg 60
cagcgggcca tcacgttcaa ggacaccgcc accgccaaga tcatgctgca tctcgccgat 120
caggacttcg actcgtgcga ccgaccctgc acccaagccg gcgttcacaa ccacatgggg 180
aagcttgaca aggagctcaa ccagatggcc aacaactgca tggctcttgc aaacatgata 240
tgaaccacgc atgcaacctc agcgtgaggt gccatcgcat gcacggaatg cttgcattca 300

gttttcattt aattgagaa

319

<210> 26364
<211> 343
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E4

<400> 26364

ctggcatcca ctcggtgctga tccctctttt tccccgcacc atcgatcaag cttgacctgg 60
cggagttgat catgcatggt ttgaggttct tgtgcagact aaggaaccag gagctggaag 120
aacatgggag tgaatcatat cactccaagg gactctgccc ctctgtata atcctctgaa 180
actcgactcg ctctgtcacc ctagtttcta ctttctagct gccaggagga agaaatgtac 240
tgtaactaac agcaagcaaa gcataagaat ctgcatggct cacggtgtaa ttgtttttta 300
aaaaaatta aataagaata tatcgaaatt aattagcata tat 343

<210> 26365
<211> 194
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-E5

<400> 26365

gaataaccgg gctgaccac gcgtccgccc aagagctcgc gcgcgacggc catcaacctg 60
ctccgtccgc tcgcgtcct cggggccgtg ctccggtcgc cactgagtcc ccacgccgat 120
gccaccgtct gcgacgtcgg cggccacgac aggtggatcc agccgacggt caaccacagc 180
ggcaggtaca acca 194

<210> 26366
<211> 413
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-E6

<400> 26366

agaggagaac cagcagcctc caataagagc cagccagaga aactaataaa actctcgccg 60

gcgccatccg agcgaacaag ccaaccgacc ccgtcccca ggcaatccgc cgccgacgta 120
ccaccaccac cgcaggagcg agatggagat gaagaggatc ctcttcgccg tctctgctgt 180
catcgccgcc tcggccaccg cagtgtctggc ctccaccgag gccgcccgcg cggggcggccc 240
aactgcctcc gagtcgtccg ccgaggctcc cgctggcgct ggcgctggcg ctgccgctgg 300
cgccgacgcc tcggggccct ccgccagcag cggcgcgccc gccctcgccg ccgcgcccgc 360
cgcgctctct ttctccctcc tcgctacta cctncactaa gcgtgtgcgt gcg 413

<210> 26367
<211> 321
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-E7
<400> 26367

cgccgcgcca tgactatgac gatagtcgcc gtgctctgcc tgctcctctt ctctgggcgg 60
cgcgccgcgg cggagaagac ttccgcgga ggtggatgca gatgctactg cgggttgagg 120
gccggtggcg gaggcagcgg cggctattcc accccgagcg aggcggcgcc attcacgcct 180
gccgctgggg agacgactac ccctccgtca ggcggcgggt acttcactcc tagcgtggcg 240
gtcccatcca cgcctgccgc ttaggagact acgacgactc ctctgctagg cggcagtggg 300
tacggcggtg caaccggcaa g 321

<210> 26368
<211> 244
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-E8
<400> 26368

ggaccggcgt gagggaaacc tagatgacct gttcctgggt cgggaccaga gagccggccg 60
ggctgcgcct tcgatcgccg ccccgctgcc tagggttccc gcgcctgtag atcgggtttg 120
ggggacgagg aaggggagtg ccaagtaagg gaacgatggg gcctaggcgc tccaagcgcg 180
tttcgtgggc cgacggggcc aatctctgca aggtattgtg attacgtcct tgtcggaatg 240
ggtt 244

<210> 26369
<211> 408
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-E9

<400> 26369

ggcgaagggc aggcccggt cgtcccggt ccatgaaggc ctaacccgag cgggcaggct 60
tttaagtagg gcgcgagtga gagcgagcgg ccaatcgcc gggagcgaag ccagcgctag 120
ctgccgctc cctccccggt cctcgggtcc gccgcgcgcg cgccggccgc caccaccgca 180
cgacgccgac caccacaatt agctagcagc ggcgtcgact aataaacgac aatggcgctcc 240
atctccctcg aggacgtccg caacgagacc gtcgacctcg agaccgtccc ggtgcaggag 300
gtgttccagc acctgaaatg cagcaaggag gggctctcca gcgccgaggg agacaatcgg 360
ctcaagatct tcgggcccga caagctgang agaagtcgga gagcaagc 408

<210> 26370
<211> 239
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D4

<400> 26370

caagatggca aatgctctcc taggtggcct gtgggcgacg gtcgtcgctc cggtgggtcgt 60
gggcggggtc gccaccgtca ccactccgg caagaacgcc ggcgacgact tcaccgtccc 120
gggggaagcc tccattgcca cgtacggcaa gtcggtcgag ttctgtgctg cgcccacgtt 180
gtacaaggag tcgtctgaga agacgtcttt ccatgccacc aatggcaccg agaacccca 239

<210> 26371
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-F1

<400> 26371

cttgggtctca actgaggtcg gactcgacgt tgtcgacctc aaatcagggc aggagcgag 60
gctaagccag cctgggaact acaacgactt ctatgtcttc tcctttatga gtttctatac 120
tcgagactgt acaagcggct aggtaccgtg acccatgacg acacactaat cactgcaata 180
ctgacgcgaa taatgagatt gcctgtctca tctacagatt catcaagttg agtatgcagg 240
tgctgtcata tgttcgttgc acgaatgacg tcatcgcaag aaacacatgc cgtgaagcca 300
acatattggg cggttatgct gctatgctct ctagcatatt cttagatgca taatgtatac 360
gcagacgtat actttgggtct cgtaatatgt gt 392

<210> 26372
<211> 322
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-F10
<400> 26372

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cttcggtaag caactgccta ttctcattgc atggtagagg atcatgaact gtcgccttat 120
cctgctctct gtcctgcgct cctgtgcact gggtgcggat gcgtttgaca tacgtggcca 180
aagtactgac tgcatatcaa cgcgccacaa cgatccgttg ctgacgaata gccgttctac 240
cactacttaa aacgccattg catcgcgagg accgtatgat gcgtgccgca atgttagcct 300
tagaccatgc attgacattc ac 322

<210> 26373
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-B4
<400> 26373

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ggacaagaag acgttggcgg agttcttgca ggccgtgccg gcgtttctgg gcggtaaattg 120
cagctgcca cgatgtgaga agcctcgtaa tagttcagtg gtgcaggcag gggaaggag 180
caagaaccag gctcgcttgg tcagcgttga tggcggatca cctgtcgtgg acttcgactt 240

cgatgaagaa gagatcccat caccttatag ctgcgagaac gccatcaggg ctgcgataat 300
 ctgcctgctg atggtgtgca tcttcacgc gtttctggct gggatgaacg accctgca 358

<210> 26374
 <211> 408
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-B9
 <400> 26374

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 aagcccgtgg tgggtcacat cacggacatg aactatgagc ctatcgcggc gtaccacttc 120
 gatttagcag gcacggcggt cggcgccatg gccagaagg gcgaggagga gaagctgcgc 180
 aaggcgggca tcatcgacat gcagttccga agggttaagt gcaagtacga ctccaaggtc 240
 acctccacc ttgaaaagg gtgcggcccc aactacctgg cgctgctggt caagtacgtc 300
 gatggcgacg gtgacattgt ggcagtggac gtcaaggaga agggctctga cacgtacgag 360
 cccctaaagc actcctgggg cgccatctgg aggaaggaca gcgacaaa 408

<210> 26375
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-C1
 <400> 26375

tggcgcgcaa cctgtctgtc acattgttca ttctgacggc ctatgtcgcc gcgacggcgg 60
 caccgaccgt ctgtgcggtc aaatctccgg cgagcacaac gaccacaagg aaacacgaag 120
 cagccaaaga agagacggat gcgcctgcca aggcaccagc tgctgcagcc accgaggggc 180
 ctgctgcggg agcggccatg acatggccgg atggcggggc tgagtctgtc aagatggtca 240
 tcaagaacct cttctttaa agcgcacctn catctggtag cgaagacggc ctaccattg 300
 acccactcc agaaggcagc atgaactaaa ttaaatacca attacgagac cgaccagata 360
 tgcattggagc atgcaagaat gttgtcgaac gaatatatgc tatgaatggt tacatgtact 420
 ggctacatt 429

<210> 26376
 <211> 222
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C10

 <400> 26376

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 taacaatcta tgtatccata tatcaactta cacagagaag ttcactacga aagcgaaaga 120
 gacaataaac atcaaagttg aatcatgaga catatgcatg tacatatata taaatataaa 180
 agaacaatta tactgaatct cgatatgttt acgcatgcat at 222

<210> 26377
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C11

 <400> 26377

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 gcggggggagc cgcggcggtg gcggagatct gcatgaagac tccgtcccc gacctgtgca 120
 ccaggacggc ggggaagcac gccaacaagt acaaggtggt ggacgcggtg acggtgctag 180
 agatgcaggt ggacgcgttc aagaagcgcg tgaaggcggc gcggaggctc gccaaggagg 240
 aggtcaagac ggccgcgacg cccgaggcgc ggagggcgct gaacctctgc aagacctact 300
 acctggacgc cgccgacaac ctcggcgcct gcaagcgcgc catcggttcc cgcgacgccg 360
 tcaccatccg cgccacgatg agcatggtgg cgcacgacac gcagaactgc gacgaggagt 420
 tcatgaag 428

<210> 26378
 <211> 197
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-C12

 <400> 26378

acccactcat ccgccacac gttcccgaac atgtacatgc ttttcaacga cctgaccaat 60
 tcctcgacca gggacacttt caacaccaat cgcattccaca ttggcaacta aatcggcac 120
 acaatcacca acaccatcat caacatcggt aacgactgca tctacatctg cccctgcacc 180
 tgcaacgtga acatcaa 197

<210> 26379
 <211> 314
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C2

<400> 26379

cccacgcgtc cgtccacgcg tccgcccacg cgtccgcgcg tggttcgta ggaaaggaaa 60
 tggaggcccc cagcatctga tctcttcggt gctagagaaa tataggccgc cgccgcctac 120
 tactcattcg gtgaaagggtg cgcagttagg gttgggagat ctcttgctc acgacacgag 180
 cagcagaatt tgtcgagggc cgctgggtgc tgcgagaggt cggggccttc gtgggatctt 240
 gaaaattgaa tggttctaag gagtccaaag gtggcaaaga agaagtctag cagtagacgg 300
 tcctccctga tgta 314

<210> 26380
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C3

<400> 26380

cccacgcgtc cgtccacgcg tccgcccacg cgtccgggag caactccttg ggcaggtcga 60
 cacagagcag ctgggagaaa ctgctgaacc agaggtcaag gtgctggacc tgaccattct 120
 gtcacctggc agaccggacc tgatccttcc gatcccggtc caggctgacg agaagggcta 180
 tgcgtttgcc ctcaaggacg gcatccccta cagcttacgc ttctgcttca tcgtcttcaa 240
 caacatcgtg tcaggcctca agtacaccaa cactgtctgg aaaactggag tcaaagtgga 300
 gaccataat atgatgctgg ggacgttcat gcagcagcta gagccctatg tctacagagg 360
 cg 362

<210> 26381
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C4

<400> 26381

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 cgcagagcag ctgggagaaa ctgctgaacc agaggtcaag gtgctggacc tgaccattct 120
 gtcacctggc ataccggacc tgatccttcc gatcccggtc caggctgacg agaagggtta 180
 tgcgttttgc ctcaaggacg gcatcccta cagcttacgc tttctgttca tcgtctccaa 240
 caacatcgtg tcaggcctca agtacaccaa cactgtctgg aaaactggag tcaaagtggg 300
 gaccataat atgatgctgg ggacgttcaa tcccagcta gagccctatg tcta 354

<210> 26382
 <211> 214
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C5

<400> 26382

cccacgcgtc cgccgaggag atggctgcct tcatgaagga tttcgacgag ccggggcacg 60
 gggcccttac cggcctgac ctgggaggca ccaagtacat ggtcattcaa ggccaacctg 120
 gagctgtcat ccgtggcaag aatggatccg ggggcatcac tgtgaagaaa acagggcagt 180
 cactcatcat tggcatctac gacgagccca tgac 214

<210> 26383
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-C6

<400> 26383

cccacgcgtc cgccacgcg tccgccacg cgccgccctc cccttcccct gtcctcgac 60
 gacctcaacg agcttctgct ccgacgacga cgacgtgccg ccacatccac atggcggacg 120

acgccgtcgc cggcggagcg gccgttcgct gcgcagggcc ggccgccggcc tcgctgtctt 180
ctagcaggaa gcagcagcag cagccccgacg acgccggctg cggcagcagc gacgaccact 240
accagcacga cgtgatcatg ctgaggcgga cgaggagcgg gcggggcggtc ccgccgccga 300
tctccgtgat cggcaagggc gggcgggcgt ggctctgcct gcggggcgac cgcgaggggtg 360
gacgcctcgt gctgcggcag atgcgcctgc cgtcgcata gctgctgcag cccctcaagg 420
agga 424

<210> 26384
<211> 401
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-038-Q1-K1-C7
<400> 26384

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gaacctgcta tgctcaggca tcccagatcc gtcagatccg ccgtaagatg gttgagatta 120
tgatcaacca ggcttctaca tgtgacctga aagaacttgt ttcgaagttc attccagaag 180
ttattggtaa agagattgag aagtctacct ccagcatctt cccacttcaa aacgtcttca 240
tccgcaaggt gaagatactc aaggccccc agttcgatct tgggaaactc atggagggtc 300
atggcgacta caaagaggat gttgggtgtga aacttgagag gcctgtcgag ggagatgagg 360
ctgggcaaga ggttgctgct gccagctatt ttgtttgcta c 401

<210> 26385
<211> 425
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-038-Q1-K1-C9
<400> 26385

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gaagataccc ttcgggccac tgcgcagcga cgcgattatc gtcgagcccc ctatcgcggg 120
gttaccgggt atctcgtccg ctcccagccg gatacctcgt tccattcaaa ggcgcccctg 180

gcgtgggtgt ctaccgaagg cgatccatac ttcattctcg acaacgtcaa cgagcgagat 240
gtctgggctg agttccaggc acaggaccat gtaagggcat tggcctcttc tttgctgagg 300
ttgcttgtcc cttagcatgt ggtgatggga gtttcgtttc tttacatgat ctcatgctgc 360
ggtctattgc taagtccatc ttcccccgcc gcgaacggng ggtctgggaa gcactgcaac 420
gccac 425

<210> 26386
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D1

<400> 26386

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cgagcccgac accgcgaatc ggatccgccg acaaggcgag agggaagaga tggggctcac 120
gttcaccaag ctgttcagcc ggctgttcgc caagaaggag atgcggatcc tgatggtggg 180
actcgacgcc gccggaaga ccaccatcct ctacaagctg aagctcggcg agatcgtcac 240
caccatcccc accatcggat tcaatgttga aactgtggag tacaagaaca tcagcttcac 300
tgtctgggat gtcgggggcc aggacatgat caggccactg tggaggcatt acttccaaga 360
caccagggt ct 372

<210> 26387
<211> 171
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B2

<400> 26387

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gggtgcattt acatacacgg ctggcctttc gagtgtctgg ctacgcacgc acatgttgtg 120
gatcttgtgt tcgtaacact atatggactc cctgagtcta ttatagaaat g 171

<210> 26388
<211> 68
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-D10
 <400> 26388
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 ctaacccc 68

<210> 26389
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-D11
 <400> 26389

gtcctcgacc atccctgcaa attaccgcta tggctcccaa gatcctagtc atccttgtgt 60
 tcctcgccgt ggccctaccg gctgctctgg ccgccttcga tgtgatagag atgctggccg 120
 acaagcccac gtactccacg ttctgaagc tcctgcagga caccaaggtc gcgggcgagg 180
 cgaatcagct ccggtcggcg acgctactgg tcgtccccga caaacttgcc aagcctctgg 240
 cgtcgctgcc cgccgataag gtgcggccgg cggaggagaa ccacgtcctt ctgagttact 300
 tcgaccccat caagctggac gagatgaaga cagcacctgt cctcctnccc acgctgctct 360
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 acttc 425

<210> 26390
 <211> 201
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-D12
 <400> 26390

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 accaccgtga gctgtcatat atgtcgtcca ttgatttggtg ttaatctgac aaaagacgtt 120
 gaaaaaaaaa aaaaaaaaaa aaaattataa aaatcaaaaa aaaaataata aaaaaaaaaaag 180
 cggtcgttct aaatgttcca a 201

<210> 26391
 <211> 374
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H5

<400> 26391

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 caccctaatt gttgcatgcg ccgcagtatg cacagcgaaa aggaccgtat caaagacagg 120
 agacttggcg ccagtccttg ctgcattagg agcaggaggc gccaccgcag cccagaagg 180
 tgcagctaga gccagcagga cgttcgacat atcgaagtcc gccgcgacca gcgacggcaa 240
 gacggactcg acacaggtgg tccaggacac gtggacgtca gcgtgaggag cgatgggaga 300
 cgcacgatg ctcacccca agggcgacta cctgggtgggc cctctctact tcagaggccc 360
 gtgcatgggg gaca 374

<210> 26392
 <211> 243
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H6

<400> 26392

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 agtggccacc cttgtggtca tgaccggcaa agcaggcctt gacacagttg tactgggtgaa 120
 caatagccat cacctcacc ttgatgctga cttggagtgt cctcctggta ccagcgcttt 180
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 tac 243

<210> 26393
 <211> 448
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H7

<400> 26393

atgtgcttgc actggcagtc taaagtatgc tcataggact tgtgtacatc gatggtgcaa 60
 tgagaaagga gatgtaacat gtgaaatatg tcatgagcct tatgaacatg ggtacactgc 120
 acctcccaga ggccatcctg atgaaactac cattgatata agtgggtgggt ggacaattac 180
 cggtagcgta tttagacttgc gtgacccctag gataacttga gtggcacaaa accacatcat 240
 ggaagctgaa tatgatgatt attctgccac aaatgcgagc actgctgact tctgccgctc 300
 tgctgctctt gttttaatgg ctctcttatt gttgagacac gcactgactc taactgatga 360
 agatgacgac gacacttttag cgatgttttc actttttctg ttgcgtgctg ctggtttcct 420
 gcttcctgac tacatcatgg cttgggca 448

<210> 26394
 <211> 394
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-H9
 <400> 26394

aaggaatgca atcctttctt gcggacctcc aatccagaaa ttaagagaac actgtccggt 60
 ccagatcatt tcgatgaaga tcgggtgctt ggagttgtcc gtcgagcaaa agataacttc 120
 tgactaacia aaggaaatgc tcgtgacgta tgaccatata cttgttgaag ttcagacaga 180
 gaacctaatg cacaataaac ataggaggaa atgaaggat atagtgttga gctagatttt 240
 gaaatgcttc ggcaaaatta tgtcgagtgt atgtagcttg ggcagtgcag tgcttgtcta 300
 tagcaaccaa tgattctttt gaccactaca aataagcgtg ttctgctatc atctactctt 360
 tgtaaaaaaa aacgccacgt agcccggtca tagt 394

<210> 26395
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-A1
 <400> 26395

cccacgcgtc cgcaagaaca tggggttcca caacacggcc ggcgcgaggc ggcaccaggc 60

ggtggcgctc cgggtgcagg gggacctcgc ggcgttctac aactgccggt tgcacgcgtt 120
 ccaggacacg ctgtacgtgc acgcgcggcg gcagttcttc cgtaactgcg tgggtctccgg 180
 caccatcgac ttcattcttcg gcaactcggc ggcggtgttc cagaactgcc tcatcatcac 240
 gcggcgcccc atggacaacc agcagaactc ggtgactgcg cacgggcgca cgcaccccaa 300
 catgaagtcc gggctcgtca tccagaactg ccgctgggtg cccgaccag 349

<210> 26396
 <211> 420
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-A10

<400> 26396

ggtgaagggtg ttcagcaggc attgctgata atgctggaag gcacgatagt caacgttcct 60
 gaaaaaggag caaggaagca tcctcgtggg gataatatac agatagatac caaagatatt 120
 cttttttatat gtgggtggcg tttcgtggat ttggagaaaa ctatatcgga gagacggcag 180
 gattcttcta ttggcttcgg cgcaccagtt cgtgcaaaca tganggtcgg tggcacttca 240
 agtgctcaag tgacatcgtn cttgttggaa tcggttgaga gtggtgatct aatagcttat 300
 ggacttatcc cagaatttat tggacgtttc cctatccttg tgagcctaac cgctctaaat 360
 gaggaccagc ttgttcaggt tctcactgag ccaaagaatg ccctgggtaa gcaattcaag 420

<210> 26397
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A11

<400> 26397

cggacgcgtg ggggccgccc tgccggttct tcccagctgc agcaaccggc cagtgcgcgc 60
 ggttgcggtg catttgcatg gctgcgcgct gcgctctggg agcttgcaact agcgggtcgg 120
 cggcctaggc gcggggcctc tttcgagtgc gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggagg aaactgaccg ccgccttctc gctctcgctc tctaccctat 240
 tcccggggct gagaggggag gagagaaggc cacgtccaca ccataaagca ggacgtacag 300

acacgtgtac gagggggatc acggtcgggt gaggtgacta agctggcgga cggaacgacg 360
acgatggcga ggagcggcgg cgggatggaa ggcagcggcg ggctgaagaa ggtgccgtgg 420
acgcag 426

<210> 26398
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A3

<400> 26398

gaatttccga gcccagagcg tccgcgtgga tttaacatct actgtgtcgg aatcatcggt 60
tatcgtggtc tgtacttttg gctctgtgat tccatcaagc cagttgtcct tactggcaac 120
ctccaggaca atttctttgc cagtttcgct ctgggttggc tgatcactaa tgggtgctggt 180
cttgcacatt accccatcga taccgtccgc agaaggatga tgatgacatc tgggtgaggct 240
gtcaagtaca agagctcctt ggacgcgttc cagcagattc ttaagaagga atggcccaag 300
tccctgttca aggggtgctgg tgctaacatt cttcgtgcc a ttgctgggtgc tgggtgtgctg 360
tctggctatg accagctgca gatacctcttc ttcggaagaa agtcgggtcc ggcagtgcct 420
aaatg 425

<210> 26399
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A4

<400> 26399

gatgaaggaa cgtaagaaca gggcgaagaa tatccgtggt gtgaagaaga caaaagcggg 60
agatgccaa aagaagtaag ggaggaagtt acttgccctg ccatttctca tcttagtctt 120
tggtttgttt aggggtgggct ccttccggca atgctgaatg tttagttaga agtagagaag 180
attttgccaa ttacccatca cgttgagttt ctggttgac cttctgttca gttttgaggc 240
accttctgtt cagttttgag gcactttgtc agacacaaga atatataac ttgggtcatca 300
cggcttttgt cctgctag 318

<210> 26400
 <211> 408
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A5

<400> 26400

accacgcgt ccgctccgat ccatcaacaa tcgccgagag cgatcgagag ataaataaag 60
 atgaagaaag tggcatcatc gtcagccgtt ctcttcgtgc tagccctgac gctagtttgt 120
 gccccgctga tagcagaggc aaagaagaag agagtcgccg ccgccgccgc cgaggagaag 180
 aaggtgcagg acaacttctg ctcgacgctg tgcgagggca ggaaggggat ggacctggtg 240
 gtgtgcaagg agtcctgcga cctctcacag cgctccaacc tggctgtgta cggccggatc 300
 cagtgcagg gcaagtgcac cgagcagaag ggcattaccg cgccgcagat gaaggtgtgc 360
 caagaggcgt gcgacaagga ctacgtggtc aaggcggctg atgtcacc 408

<210> 26401
 <211> 96
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A6

<400> 26401

cccacgcgtc cggcggatga gtgcgacggc tacgaggccg gcccgctggt cgccgccgct 60
 ggaaccggaa ccggaaccat tcccggttga acccgg 96

<210> 26402
 <211> 427
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-038-Q1-K1-A8

<400> 26402

cccacgcgtc cgcccgctggc cgccacgaac tgcttcaacg cggacgtgct gagggccacg 60
 acgggcgctg cgctggcgag gtacgatggc ccgtgcttgg cgaccaaccc catcgaccgg 120

tgctggcgct gccgcgccga ctgggcgacg gaccggaagc ggctggcgca gtgcgcgcgc 180
 gggttcggcc acaggagcgt cagctgcgcg gccggcaagc tgtacgtggt gagggacccg 240
 agcgacgacg agatgatcat cccgcggaag ggcacgctgc ggcacgcggt gatccaggac 300
 cggccgctgt ggatcgtggt cgcgcgcgac atgggtgatcg agctgcggca ggagctgac 360
 gtgaaccaca acangacgat cgacggggcg ggcgcgcagg tgcacatcat gttcgcgcag 420
 atcacgc 427

<210> 26403
 <211> 357
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A9

<400> 26403
 cggacgcgtg ggggccgcgcg tgccggtttt tcccagctgc agcaaccggc cagtgcgcgc 60
 ggtttcgttg cattttcatg gctgctcgct gcgctctggg agcttgact agcgggtcgg 120
 cggcctaagc gcggggcatt tttcgagtgc gtgcgtgtct gttcaagctc tgatcgtctc 180
 tccggcccat tcgccggaag aaactgaccg tcgccttctc gctctcgctc tctaccctat 240
 tcccggggct gagaggggag gagagaaggc cacgttcaca ccataaagca agacgtacag 300
 acacgtgtac cagggggaac acggtcgggt gaagtgacta aactggctga cggaacg 357

<210> 26404
 <211> 270
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B1

<400> 26404
 cccacgcgtc cgcggacgcg tgggtcttga ccacctctcg aggcgcagag tcgtcgttgg 60
 caaataaaat caaactgtgt gtttttagcg ggcaagtgat tggacgaaat gtaaaaaaga 120
 acgaaaccag aacagcagcg cgaaaaaaaa aaacaattca cgattctttc gagtaactgc 180
 aaaaagaaaa ttgtaaattg gtagcaactc gtttcttgcc cttgggtggca ggattgaata 240
 aactgatcga tacgggggagc tgttcaattg 270

<210> 26405
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B11

<400> 26405

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cgaagatacc cttctggcca ctgcgcacct acgcgattat cgtctagccc cctatcgagg 120
ggttaccggg gatctcgctc gctcccagcc ggatacctcg ttccattcaa aggcgcccct 180
ggcgtggggtg tctaccgaag gcgatccata cttcattctc gacaacgtca acgagcgaga 240
tgtctgggct gagttccagg cacaggacca tgtaagggca ttggcctttt ctttgctgaa 300
gttgcttgct ccttagcatg tgggtgatggg agtttcgctt ctttacatga tctcatgctg 360
ctgtcta 367

<210> 26406
<211> 228
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B12

<400> 26406

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atccatatat caacttacac agagaagttc agtacgaaag cgaaagagac aataaacatc 120
aaagttgaat caggagacat atgcatgtac atatacataa atataaaaga acaaatttac 180
ggcgtctcga tgtgtttacg catgcatata tccgcatgca tgcattgc 228

<210> 26407
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H4

<400> 26407

cttacgctta ggcttcgtct tcaaagctca cattgtgttt tcaacatcgt actactataa 60

tatgagcatg tattactaca taatcatatc actattgcag gaagtgtctt atttttcaat 120
cgacaaactt ctctggctct ggactgacag ctattttgag catccgatct cgaacactct 180
gcttcattga cttgcatttg cagctatctg gtttcaaaat gccagcctgt atcacttgac 240
catgtcgcat gccttccatc gctaggagcc cattatagca actgaggacg acgtatgcgc 300
accatctagc cgattgccga aaggcgctcg ttgaagcgag gatggtcgag agtctatata 360
gcaccggcgt ccgatatact gca 383

<210> 26408
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G1

<400> 26408

atcgatgcga aagcgtccgg gcctggtggg ttcttcgaca tcaccaagtt gggcgccctcc 60
ggcaatggca agacagacag cacgaaggct gtgcaggagg catgggcatc ggcgtgcggc 120
ggcactggga agcagacaat cctcataccc aaggggcgact tccttgctcg acaactcaac 180
ttcacaggcc cttgcaaggg cgacgtgacc atccagggtg atggcaatct gctggcgacc 240
acggacctaa gccagtacaa ggaacatggt aattggatcg agattctacg cgtggataac 300
ctgggtcatca ccggcaaggg aaaccttgac gggcagggcc cagccgtgtg gagcaagaac 360
tcctgcacca aagagtacga ct 382

<210> 26409
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G10

<400> 26409

ccctcgctc ccccataccg gggcccggta accagcatcc ctccggcagcc gctgccgacc 60
gatccgtgtc cgtgcgagac gcgggaggga ttggcgcccg aggctgaccg ggatgttctc 120
cggcgactgg acgccgccgt gcggcagctg ctgcaccaag aaatacgcca gcctcggtga 180
gatcccatgg aggggtgttct gcaagaaggg gtgcaacgcg gacggcgaca cctggggacga 240

gtgcatagga aaatgtactg aaatatgcta caaagatccg gtgttagaag atcgccagtg 300
gagcgcttac attgatcgat ctccagggca agatagctac tctttggaat gtttcaatgc 360
ttgtgtgtct ggctgtggat tcagatttga ca 392

<210> 26410
<211> 454
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-G11

<400> 26410

gaaatctcca cccgcacccg caccagcacc agcacctatt agctcgctc cccacttat 60
caaatctcct cctccacccg ttcgggttag ctccacca ccaactactaa aatcgctcc 120
acctccagta tctatgagtt taccacctcc atctgtgaaa tctccacccg cggtgccacc 180
aagggtcacct ccagcgccag tgaaatcacc acctctcca ccaccagtaa gttcgccgcc 240
accaccagta ccggtgaggt caccaccacc gccaccacca tcaccgatta gttcaccacc 300
gccatcaatg aaatctccac cctcaccagc acctattagc tcgctgccc cacctaccaa 360
attccctcct ccaccggttt cgggttagctc accaccacta gtaaaatcac ctccatcttc 420
agcatatgtg agtgaaccgn ctccaacggt gaaa 454

<210> 26411
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G12

<400> 26411

cccacgcgtc cgccacgcg tccgcggacg cgtgggtggg ggcttcgcgc tcggcctggc 60
catgaaccac tgcattgtcg acggcatcgg cgccatggag ttcgtcaact cgtgggcgga 120
gacggcgcg cgcgtcgccg agctcaccgt gccgccgttc ctggaccgaa gcgtcctgaa 180
ggcgcgcgac ccgcccgtgc ccacctccc ccaccacgag ttcgccgaga tccccgacgt 240
ctccgacacg gcggcgctct acggcgcgca ggagctgctg taccgctcct tctgcttcga 300
cccggaaccg ctggagcgcg tgcgcggcct tgcgtcgcc gacggcgccc tgggcgctg 360

caccaccttc gaggcgtgt cggggctggt gtggcgcgcg cgcac

405

<210> 26412
<211> 415
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-G2

<400> 26412

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cgggcagcgc aggcagacgg actgcgggag tcacctgcat ggcctcagct gctactgcaa 120
ccctcccaaa gggtcacttg aggccaagat gcaacagcta ctttcagggtg accgggtcaag 180
tccatgccca caccaaaaca tgcggtgcct gcaagtgtcc gacccatatt cacgggttgc 240
tcgtttcaac tggaggaaag aggacattcc tgccggtgtc tgcagctgga tcagggtcaag 300
gctcatcggt cactgatgcc gacaggaaga acgatttgtc gatggagaac gtccagacgt 360
tcgttgtata ccgcgacggt gaaaagatta atgtacgagt gcatntgcct ggaaa 415

<210> 26413
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G5

<400> 26413

atccaaccag ctgccgaggg aggaatccta gcggaacact gtccaggtga cggcggcgcg 60
ctaccggtga cgggggatac ggcggcatcg tccctcctc catccccggc gcggcggagc 120
cagcagccgt cctgcagatc agtcaacaa agataacctt gcgccgcctc ctaagaagat 180
caagactacc cagccaggtt ctacagaccc tcaaaacctt aatcgttaga tcacgcccgt 240
tctcatgaag aattccggag gaggcgccgc ccatggcgat ggcggcgaca tctacaatgt 300
ccgggccgtc gagatcctcg ccaacgaggc cctcctgctc cccatcaatg aggccgtccc 360
aatctacgag aatctgctcg ccactttccc cacggccgcc aaatactgga agcagtatgt 420
cgaagcctac atggccacca acaacgatg 449

<210> 26414
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G6

<400> 26414

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tccgcatcaa ggcgtccgag gacgccgtct tcgtgctcac cgtctccaag atccactacg 120
agaatatcaa gatggaggac tcagccaacc acatctccat cgacatgaag tactgccccca 180
acaagttgtg tactgccaac ggagcctcca aggtcacctg caaggatgtc accattaaga 240
acatcacggg cacctcctac acacgcgagg ccgttagcct gctctgcact gtcaagggtcc 300
catgcacggg cgtcaccatg gatgacgtga acgtcgagta tagcggcacc aacaacaaga 360
ccatggctat atgcacgaac gccaatggca gcaccaacgg ttgcctcaag gagcttgcac 420
gcttat 426

<210> 26415
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-G7

<400> 26415

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gttctccggg gttcgggttc gtgggtgagc ggatcgagat ggcggcgctc gatgttgagt 120
accgctgctt cgtcggcggc ctgcctggg ccacggacga cactccctc cacaacgcct 180
tcagcaccta cggcgaggtc ctcgagtcca agatcatcct cgatcgggag acgcagaggt 240
cccgcggctt cggcttcgtc accttctcca cggaggaggc gatgcggaac gccatcgagg 300
gcatgaacgg caaggagctg gacggccgca acatcacctg caacgaggcc cagtcccgcg 360
gcggccgtgg aggcggcggc ggcggggggt acggtggtgg ccgtggaggc ggcggttaca 420
gcggtggcgg gcgccgt 437

<210> 26416

<211> 389
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-G8
 <400> 26416

tcgcccacgc gtccgacaaa gcagtcgaaa agaatgaatg gaagccattg cctctaattc 60
 aggaagcttt tattggtctg actgctggag caattggtgc ttgttttggg agtcctgctg 120
 atctggcact cattagaatg caagccgact cgacctgcc agctgcacaa cgacgcaact 180
 ataagaatgc tttccatgca ctctaccgta tcagtgtgta tgagggagtc cttgcgcttt 240
 ggaagggtgc atgttcaact gtggcgagag ctatggcact caatatgggt atgcttgctt 300
 cctatgacca gagtgtcgag ctatttaggg acaaatttgg cgcattgagaa atttctactg 360
 gtgttgagc cagagcttgt tctggattc 389

<210> 26417
 <211> 464
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-G9
 <400> 26417

gcttgtttat gattgcacat caaaggaatg caagaccagc ggatctagta tttgcagagg 60
 gtgtgttgtt tgcattctta gatgtttgcg atgtgggaga tgtatcgaca gtgagtttga 120
 atttgaagag acattttttc tggggagcat ttgccgtgac tgtgtcaagt attcacccca 180
 ccacagaaaa atagatgttt gattctgtta tccattggat ggatacagtt gtaacattgg 240
 atttctgtga ttgatgtcc catccatcag acatcttgac tgagtatttc taacaaggaa 300
 aaaaaagaga gaaaggtcta ccagtttgct atcgggtgtan gtgcagcagc tgatatatnt 360
 gttttgcttg cangaaaaac gaagaataac agtataacct aagaaatcag aagatcaaag 420
 tatggtttcc gtatcatggt gtcagcagtg aatggtgaca actg 464

<210> 26418
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H1

<400> 26418

tcgaaaacat agagtgtcga cttttctatt ggtgtgattg ggggcactaa atacctaaca 60
cattgcactc agactacata tactgtgttt gtgtgttgta tgccgtatgc gtgtgtgagc 120
ttgcgcaaat tggacatcta ggccgtgctg atcctgcgat gaaaggcgcc gtcacgcggc 180
catcgaccgt cctggtcgtg gcggtggtgg ccaccatctg cgtcgtttcc ttcaaaggca 240
gcggcgatgg cgggagggcc gaagagggcg agatgtccac gtcggtgaag tccatcaagt 300
ccttctgccg gcccggtggac tacagggaga cgtgcga 337

<210> 26419

<211> 361

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-H10

<400> 26419

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ataacaacaa gctgaacca tggcggacga gtacggccgc agcggctacg gcaggtccgg 120
cgccggcgac gactacgaca gcggctacaa cagcaagtcc ggcaactgatg actacggccg 180
tggcgaaggt ggctacaaca agtcggggcg cgatgacgac tacggccgca gcggcggcga 240
tgggtacggc aggtccggcg gcgacgacta cggccgtggc accggcggcg gtggctacaa 300
caagtccggc ggcgagacg actactgccg cagcggcggc gacgactacn gccgtggcac 360
c 361

<210> 26420

<211> 364

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H12

<400> 26420

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cctgaactga agcattatgc acctggtgtg ccaataattc tcgtagggac aaagcttgat 120
 cttcgagatg acaagcagtt ctttgtggat catcctggtg ctgttcctat cactactgct 180
 cagggagagg agctaagaaa gcaaataaggc gcgccatact acatcgagtg cagctcaaag 240
 acccaactaa acgtgaaagg tgtcttcgat gcggcgataa aggttgtgct gcagccgcct 300
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 gatc 364

<210> 26421
 <211> 322
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-H2

<400> 26421
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 gtggacatcc ttcgacacca ctctgacagg cgtactgcag gaagagcatc accatggcct 120
 tgacgccagg ttcttgcgc agatcgatgg cctatcagag gtagcagcat actatccaac 180
 tgccaccgat taggccagca tatggcagtt cgaccagatg ggactttcag agaccttaga 240
 cgagcaggtg ccttctncat tgcagatgag cagcagtgca tatgccttga tgccgatcgc 300
 tacagactat gatgagtgtc tc 322

<210> 26422
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-H3

<400> 26422
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 tatgagcatg tattcttaca taatcatatc aatattgcaa gaagtctctt attttttaat 120
 cgtgaaactt ctctggctct ggactgacag cttttttgag catttgatct cgaacactct 180
 gctttattga cttgggtttg cagctatctg gtttcaaaat acgatcatgt atcacttcag 240
 catgttgat gcctcccatg acttgagacc cattatagca actgatgacg acgtatgcgc 300

accatctaac cgattaaaga aaggcgctcg ttgaagcgag gatggtgggg agtagatctc 360
gcaccggcgt tggatatcgg acagggggaa gaaggcactg agggccaaaa accaccacaa 420
cggatga 426

<210> 26423
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F9

<400> 26423

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aggcatggag gggaaggagg aggacgtccg cctgggccc aacaagttct cggagcgcca 120
gcccacggc acggcggcgc agggcacgga cgacaaggac tacaaggagc ccccgccggc 180
gccgctcttc gagcccgggg agctcaagtc ctggctcttc taccgcccgc gcacgcccga 240
gttcgtcgcc accttctct tctctacat ctgcacctc accgtcatgg gcgtctccaa 300
gtccaccttc aagtgcgcca ccgtcggcat ccagggcacc gcttggctct tcggcggcat 360
gatcttcgcc ctgctctact 380

<210> 26424
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E5

<400> 26424

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ggtcgccacc gtcacccact ccggcaagaa ggccggcgac gacttcaccg tcccggggga 120
agcctccatt gccacgtccg gcaagtcggt cgagtccttg tgcgcccga cgttgtacaa 180
ggagtcgtgt gagaagacgc tctcccaggc caccaatggc accgagaacc ccaaggaggt 240
gtccacagc gttgccaaagg tggcgctgga gtcggtgaaa acagcggtcg agcagtccaa 300
gacgatcggc gaggctaatt ccagcgactc catgaccgag agcgcgcggg aggactgcaa 360
gaagctcttc gaggacgccg ttgacgacct catgggcatg ctcgagatgg ccggcgccga 420

catcaagggtt gctatcagcc ggtc

444

<210> 26425
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E6

<400> 26425

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taaaactctc gccgccgcca tccgagcgaa caagccaacc gaccccggtcc ccaaggcaat 120
ccgccgccga cgtaccacca ccaccgcagg agcgagatgg agatgaagag gatcctcttc 180
gccgtcctcg tegtcatcgc cgctcggcc accgcagtgc tggcctgcac cgaggccgcc 240
gccgcgggcg ccccaactgc ctccgagtcg tccgccgagg ctcccgctgg cgctggcgct 300
ggcgctgccg ctggcgccgt cgctcggcg cctccgccca gcagcgggcg gcccgcccta 360
gacgccgcgc ccgccgcgt cctcttctgc ctactcgct actacctaca ctaagcgtgt 420
gcgtgcg 427

<210> 26426
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E7

<400> 26426

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gcggcctcgc ctgggccacg gacgaccact cctccacaa cgccttcagc acctactgcg 180
aggtcctcga gtccaagatc atcctcgatc gggagacgca taggtcccgc ggcttcgggt 240
tcgtcacctt ctccacggag gaggcgatgc ggaacgccat cgagggcatg aacggcaagg 300
agctggacgg tcgcaacatc accgtcaacg aggccagtc ccgcggc 347

<210> 26427
<211> 446

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E8
 <400> 26427

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 acggcggcgt gggggtataa cccggccggc gaccacggac cgcgactacg atcttcatag 120
 tctgagccct gctaccttgg gccccgaggt ccttgacatt tcaatgtgga gaaaaggata 180
 taccgtgcct ttattttgaa taatagttat ccaagaattt gttctaggcg aattcgatga 240
 cgacgcgact gctgcatacc atgaaaatat cacttctgag ttagttgacg atgaccatca 300
 tgtgaaagat atatctcaga ggtatcatgt tcaattgtat acaaattggga ctgtatgcga 360
 tctcacagat attccgcggg agacagaggt tagatttgtc tgctcggagc ctactgtact 420
 gattagttca gtcaaggaga tctctt 446

<210> 26428
 <211> 361
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E9
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 tggccgaatc atggtgaatc ctctgtgcgg ttgctgggtc tatgctgcct tcaggtggct 180
 aaacaccgac aacttgaagc ggccaatcaa acctttggct ggatgctgca agtttagagt 240
 gcagtagaca gtgttttttc tgtgtggtca ggaaaagaag aacaccgctg gcggcatgaa 300
 gcctgccaaa aaagtttgta tctgcctgtg cctgagaagt gtgcccttgg tgtgcacact 360
 g 361

<210> 26429
 <211> 437
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-F1

<400> 26429

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ctgaagcgcg cacatatata ttcttgccaa gataaaggta atggagtcga cacgcatgtt 120
ccagcacggt cgtgatccta cttatactga tcattgtgta caccgatatg gcgcacgcaa 180
gggaatgcga gaagtacagt gagcgatttc ttggagcatt catgatcgca gacaactgcg 240
ccaatgtgtg ccgcgctgag ggcttcttgg ccggcagggt cagcaccttc cgccgtcgat 300
gcatctgcac tatgcagtgc taaacaagat cgatcgatcg ctcgacatgc attgacaacc 360
tattcttaat aacgttcatt atctcgttct tatctatgac taatgtcatg tatgtcctcg 420
tgactgacat gtatatt 437

<210> 26430

<211> 338

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-037-Q1-K1-F10

<400> 26430

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gattgcaaaa ttgtgtgatg tgtattcgat ggagcgtctt cttgatgatg agagtgaggg 120
acagggtttta tcggtcctga gtgaagctgg gcttttttgg tgtggtggat tgctaaaaga 180
tatggttttc ttctgtagca ccgtgaatgg tcgtacatat catgatcggc aactcgagcc 240
tgattggcat atttacacga gtccttgaga tgntcaccaa tgagctaggt ttatcaaatt 300
tcaactgcac atcttcccgc agcgacctga aagaatag 338

<210> 26431

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F11

<400> 26431

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aggggcaaaa ttctgtgatg tgtatttgat ggagcgtatt cttgatgatg agagtgaggg 120
 aaaggtttta tcggccctga ttgaagctgg gctttttggt ggtgggtggct tgataaaaga 180
 tatggttctc ttctgtagca cggatgaatgg ccgtacatct tttgttcgtc aactcgagcc 240
 tgattggcat attgacacta gtcctgaagt tgatcactaa ttagcttggt ctattaaata 300
 tcaac 305

<210> 26432
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F12

<400> 26432

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 ggcttccectt gccacgtccg gcaagtcggt caagtccttg tgcgcgcca ccctatacaa 180
 ggagtcgtgc gagaagacac tgtcccaggc caccaatggc accgagaacc ccaaggaggt 240
 gttccacagc gtggccaagg tggcgctgga gtcgggtccag acggcgggtcg agcagtccaa 300
 gtcgatcggc gaggccaagg ccagcgactc catgaccgag agcgcgcgcg aagactgcaa 360
 gaagctcctg gaggacgccg tcgacgacct gatgggcatg ctcgagatgg ccggcggcga 420
 catc 424

<210> 26433
 <211> 372
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F2

<400> 26433

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 ggcaccatgt ccggctcctt gtatacagct acgatgaatc cacctcagtg ggaatctcac 120
 tgataccttg gtgcaacca ctgctttgag caaccacctc tgcccgactc aacactgcc 180
 ctggcatatc catacagcgg cagcatacat ttccaagatg gagcgcgctc tccaggcctc 240

atcaagggca catattgaat tcggatcatc cctgcctctg accagagtgg attttgaatc 300
 tgcagatggc tctatcacct atacaaatgt acgagctgac attctgcatt cattgcatg 360
 ccaaccgaaa cc 372

<210> 26434
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F3

<400> 26434

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 tgaggggcat gctcgagatg gccgtctgcg acatcaaggt gctgttcagc cgggtccgacg 180
 acctcgagac ctggctcacg ggcgtcatga cgttcatgga cacctgcgtc gacggcttcg 240
 tcgacgagaa gctcaaggcc gacatgcact ccgtgctgcg caacagcacc tagctcagca 300
 gcaacgcgct ggccatcacc aacaagtcta gcaggatccc tgataaaatg gacctcatgc 360
 atgttcagca aggactcgcg ccgcctactg ctgtcgtagg atcatgatta gaaaggctgg 420
 cccgtgtgga 430

<210> 26435
 <211> 132
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F4

<400> 26435

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 gcatgaccga aagcgcgcgc gaggactgca agcagctcct gcaggacgct gcatacgacc 120
 tgatgggcat gc 132

<210> 26436
 <211> 228
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F5

<400> 26436

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tccctgaaac ctgcatatatt gtaattctgg ccagaaaaaa ggaattgaag tcgtcacgcc 120
agttccaagc cggccttatt cctgttcttc cggttaatgg gttcaaccat tttgcaccag 180
ccaaggaatt ccaaaagtgc catgaaccaa ttggttgggc cttcctta 228

<210> 26437

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F6

<400> 26437

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ttgccggcgg cagcgaccgg agtatggggc tgggaggccg gggcgtggtg ggagacaggt 120
ggtcgcaacg catcctctgg atttgcgccc tgggcagcgc cgtgagcctc tacttcgtgg 180
cgggtggagag gcaggctcag aatcgtgcgc gggcgggtggc ggagggcctc aaggcgctcg 240
acggcgccgg ggatgacgtg tgacagcggg ggacgctgcc gtgcagaggg cctcctttgg 300
ttcacatgtt cacagaacct catagcgttg caataatgta ctaaaccatct gtgctcagtc 360
tttgtagaat taaatgtgga tcaatgtgag tgttctccta tttcacataa ttcacttgag 420
cctttgttgc tgcacagaaa tgttgatcc 449

<210> 26438

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F7

<400> 26438

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cttcgttctg ataacggcaa tttcttctgg gctctgtgcc agacaccgat ctttgtctgg 120
cacaaatcct gtgtgaggtc tcaaggcgag cgagcacttg ataatgtgcg cgctctacct 180

ccaaatgagt gtctcgagac acactctgat ctttgtgacc cggtgcccga gctggtcctt 240
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 ctttctcgct gtctacgcca actatggctt cttcacgac aacagtatct tctgtggctg 360
 ttccactgtt gtctggctct acagcatcgt gttctactat cctctggacc tgatcaagtt 420
 cttcatacgc ttcgtgctca gc 442

<210> 26439
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-F8

<400> 26439

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 agaccggcat cagcatgggc ctggcagcgg cgtggaggac ccggcgaccc ttcttccgcg 120
 ggtgccaaac cgtgcggcca aactgaaccc aggtgggtggg gttcctgacc ctgctgcgct 180
 ctggcgccgt gctgctgctg ctaacggggg taacgctgac gggcgccgtg gtggcgctcg 240
 tcttctggg ccccatcgcg ctgctcacca gcccactctg ggtgcccgtg gccgtcgtga 300
 tctccgcat cgtcgccgcc gcgctctcg actggcctt cgacgacgcc gcgctccccg 360
 tggccacctg tatgtaccgt tacttcacgg gccgacaccc tgtgtgcgca gaccgtgtgg 420
 actacgcgcg catccggatc gccgacacc 449

<210> 26440
 <211> 379
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E4

<400> 26440

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 gcctcttggc ttggatccgc ccgtgaaatt catccctgcy tcggctcacc cagcagcgc 180
 cggcgccctc cctcttgcgt acggagtagt aaaataagaa ttccggtcgc acctccgac 240

cggccgtctt tccatgagcg gccggtttta ataggccggg gacaaagatc gggcgaggt 300
gctggctggc acgcatcagg tttggctttc ttttggtgct atctatctcc ttgttccctc 360
ggattgtcct tgctgttgt 379

<210> 26441
<211> 360
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-037-Q1-K1-D12
<400> 26441

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cggccttggg gagcgcccag atagcctgga cgtccgcggc gttgcggcga agccgggagc 180
ctcgtctagt gccgtgagg cgagcaagac gcgcgcccac gctgcggtcc ccaagatgaa 240
cggtgggggc aagtccgcgg tggctgatgg ggagcacgaa accgtacctt cttcggtgcc 300
gaagactttt acaaccagct ttccgactgg agcatgctcc ttgcggccat caccactatc 360

<210> 26442
<211> 430
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-037-Q1-K1-D2
<400> 26442

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ctggggaagg ggaagggatg ggacggggat ttgcttgtgt gcttgctttg tgtttaattt 180
tgtacgtagg ctgggaacat gtgtttggtg ggatgatgat gatgatgctg ctgctgctgc 240
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gacccgtttg ggttgagtaa ctctcgagtg ttttttcttc catgggtgat cgttttcttg 360
tttctccaga attttctgag caatgtacag acagacaaac ttttgtgtga aaaatgaaat 420
ataattataa 430

<210> 26443
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D3

<400> 26443

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 gaaccccgag aagagcatag actccctcca cgtcgatggc tactccttct tcggcgtcgg 180
 gatgggcccc gggtaagtgg tcgccggagg tgaggaagac gtacaacctg ctggacacgg 240
 tgagccggca cactgatccag gtgtaccgc ggtcatggac ggcaatcatg ctgacgttcg 300
 acaacgcggg catgtggagc gtgcattcca acatctggga gcggttctac ctcggggagc 360
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<210> 26444
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D4

<400> 26444

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 ctacctcttg tgcacttacc tcgcgactaa gctcctcggc cgcacttact acaccgtgga 180
 ggggtccgag acgcccggct cccttcggtc gcacgtgtcc gcgtacgtca acggcttgct 240
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 ctcggttcggc cacaccccggt cgcccgatc ggcgacgctg tgcttggtcc gcttctggct 420
 cgagtcc 427

<210> 26445
 <211> 404
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D5

<400> 26445

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gcagattaca ggcagcatca tcattcatcta ataataataa ttcaatatta ctgcccacat 180
tacagcacca acgacctatg accaaaccac ggagctcttc tccatggaag cgaacggtga 240
caaaaacacg ccaaaatgga ttttaaaaaa aaaaacctca agagcgacat tgcgcgcaac 300
gtcatctctc tccgggcagt ctaggaagcg gcggcagggg cagcaggggt ttctgtctcc 360
ttcgccagag actcccagtc gaccttctgt tctagatcgc gagc 404

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<210> 26446

<211> 259

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D6

<400> 26446

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gtcctgtcta tgtatgccag tggctgtacc acaggtatcg tgctcgactc gtgagatggt 180
gtcagccaca ctgtcctcat atacgacgga tacgtctctc tccacgccat ccttcgtcta 240
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<210> 26447

<211> 435

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D7

<400> 26447

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acgtacccccg gccgcatgac gccgttcgtg ttcttcacct gcctggtggc gtcatcgggc 180
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 ctcaaggagt tcttcccttc cgtgtacgcc aaggcggcgg cgaacaagga cacgaaccag 300
 tactgcaagt tcgacagcca gctgctgacg ctgttcacgt cgctcgtgta cctggcggcg 360
 ctggcgacgt cggttcgtggc ggcgtccgtg acgcgggtgt tcgggcgcaa gtggtccatg 420
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<210> 26448
 <211> 449
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-D8

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 caacgacgag ctgctgtggg ccgcgacctg gctgtacctg gcgacgaggc ggcaggtgta 180
 cgcggaacttc atcgcccacg aggccatctc gtcgagcgtg gccgagttca gctgggacct 240
 caagttcccc ggcgcgcagg tgctgctggc cgagttcaac atgacctcgg cgggcggcgc 300
 gcagaacttc aagtcgcagg cggacaactt cgtgtgcgcg gtgctgccgg acacggcggtt 360
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<210> 26449
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D9

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 gggcaagtgc accgagcaga agggcatcac ggctccggcc atgaaggctt gccaggagga 120
 gtgcgacaag gcgtacgtgg tgaatgctgt cgaggtcacc aaggcctgca gcgtcacctg 180

cgccaaggag aagaacccgc gcctcagcga gaactgcaag aggtcctgca cccctcctcc 240
 ttcttgaagc gaacccccctt gaaatgaatg aaccatgcat gcatgcatgt atgcatgcgc 300
 cggggtgacg tggcgttcag ctcaagcgct gagcgagtct atacgtacgt cgtcaccggc 360
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 cttgcatttt ctaagctaaa tggtttttt 449

<210> 26450
 <211> 418
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-E1

<400> 26450

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 tgtggtcgcc caagcgcctc atgcagcgcg ctgcccgcgc tttccgccgc agcaggtcgc 180
 ggcgcccgcg tcaggacggt caaggacctc gccgaggaac gggcctcagt gctcgccgcc 240
 agcagcaagg tctctgatga ggcggcgggc gcggctaccg cggtgccgcc tgcaggtgcc 300
 aagaccttca gcagcaacga tgcccgcgac ggcgccatgg gcagcgtgca ggacgagccg 360
 cggcagcagc gccacgatga ctatcacccc gagatcgtcc ccgagaagat catacacg 418

<210> 26451
 <211> 442
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-E10

<400> 26451

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 agaacattga agcattatgc aaattgatga gtacaattgg tgatatgatt gatcatgtaa 180
 aggcaaagga gcacatggat gcctatttta gtatgatgca gatgatgtca acaaatcaga 240

agttgtcttc tcgtgtaagg tttatgttga gagattcaat cgacctcaag agaaataaat 300
 ggcagcaaaa gcgtaaagtc gaaagtccca agaagattga tgaggttcac agagatgcag 360
 cacatgaaag acatgcccac tcgagtaggt tgggacgtgg tcagctgtta agtctgttcc 420
 aagaagagca catnctatgg at 442

<210> 26452
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E11
 <400> 26452

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 acagcgacat attcaagtgc tacgacagct gctccgacga cgtggaggag gccgtcgccc 180
 acctcaacgg cctcgtccgg gagcccaccg acgccaagtt cctcgagctc aagtcgtggc 240
 tctcctccac gtcggcgggc accttcacct gcgaggacgc ctgcaaggac ctgcccaga 300
 ccagcgacaa ggacgacgtc gtcaacttca gcctcgactt cgagaagctg cagcgcgtca 360
 cgctcgacct catcaccgag gcgttcggca ccatgtccgc aggcattctgc ctgccaccct 420
 tcaacgccgg agcgcccttc ta 442

<210> 26453
 <211> 392
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E12
 <400> 26453

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 gcaacatttg gtggtccagc tagtctgaag cccatgacaa tgggtccaat gccaatggcc 180
 atgcctatgt caccagctcc tctcaciaag aagccaactc cagcagcagc aactcctctt 240
 tgtggtaaaa gtgataccga taacttgaag atggctaacc aggtgctgaa tgaagatatc 300

tcaaagttgc aatctcaggt taataaactg aaacaaaaat gtgatgccca agaagagcaa 360
 ctgcagaaaag cggaaggag agctgaacat tc 392

<210> 26454
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E2
 <400> 26454

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 actggtctac agggcttcct cgtcttcaac gctgttggtg gaggaacagg ctctggcctt 180
 ggttccctcc tctggagcg tctgtctgtt gactacggca tgaagtctaa gcttggtttc 240
 actgtgtact catcccgcca agtttcgacc tcagtgggtg agccatacat cagtgtcctg 300
 tccaccact cctactcga gcacactgat gttgctatcc tgctggacat cgaggccatc 360
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 ctttgtgt 427

<210> 26455
 <211> 397
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-E3
 <400> 26455

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 cgcgacgcgc ggcatacgt cgtccaaggc acgcatgggc cagccaagcc aaccaatcgc 180
 gttcgtccgg gtctggtggt ggccggaatg ggcctcctcg atcagctctg ggacgagacg 240
 gtggccggcc cgcgaccgga ctacggcctc ggcaagctcc gcaagtactc ctacttctgc 300
 accgcctacg tactctctc gtcgtccatc ctggccccacg agccgggtcc ggcgccggca 360
 gtgacacgca gcatgaccat cgtccgtccg ccgtcgc 397

<210> 26456
 <211> 328
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-D11

 <400> 26456

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 gcgtagctag gcgtagaacg aatgacgacg cagggcgga acaggtcgac gacgacgctg 120
 gtcgcgcgcg tggccgtagt tctggccgtg gcggcgccgt cgtccctggc cggcgtggcg 180
 tccgcggaga aggcgggcg gttcgtggtg acggggcgcg tgtactgcga cccctgccgc 240
 gccgggttcg agacgaacgt gtccaggagc gtggccggcg cgactgtgga ggtggtgtgc 300
 cggcacttcc gcgcgtccaa ggtgacgc 328

<210> 26457
 <211> 397
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-B4

 <400> 26457

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 cgcgtcgggc gtcaacgtcg gccagttcga cgaccacttg cagaagcgga aggagctcgc 180
 cgaggcgtcg gcgagggagg cgtacaggcc cgacccttac aacgtcacca acagcttcaa 240
 cgccgccgtc cacagagctg tcagcagcag tcggcgtgag atgctggaga ggccgtggaa 300
 gcacatgaag aggggcccgt tccgggcgac taacctatc gacaagtgtc ggcgctgtcg 360
 cagagactgg gcgacngacc ggcacgcct ggccccg 397

<210> 26458
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B6

<400> 26458

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ttgatataat taataagcaa ggttttagaga agaggcaaca tgggcacaaa gatgaagaag 120
gggatcctga agccgttccg ctatatctca accatcatgg atggtaagga ggctgaaatg 180
caaattgggt tcccgcgga tgtaaaacac gtggcacaca tcggttgga tggctcctggc 240
tccaccaaca acaatatcat caacagcatc atcaatagtg gcggagcacc tagctggatg 300
aaggattacc actcggcacc gcttgactcg tcctctttta ggagtgcag tgggggcacg 360
gctgctgcaa atccctgggc ttctcaagag atagtcatgg atggagcaag cgtcggagaa 420
acctcttcag ggacacgaat agcgaggcag g 451

<210> 26459

<211> 416

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B7

<400> 26459

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acatggatat aattaataag caaggttttag agaagaggca tcatgggcac taagatgaag 120
aaggggatcc tgaagccgtt ccgctatatc tcaaccatca tggatggtaa ggaggctgaa 180
atgcaaattg ggttcccgac tgatgtaaaa cacgtggcac tcatcagctg ggatggctct 240
ggctccacca acaacaataa catctacagc atcaactata gtggcggtac acctatctgg 300
atgaaggatt accactcggc accgcttgac tcgtcctctt ttaggagtga gagggggggc 360
acggctgctg catattcctg ggcttctcaa gagatagtca tggatggagc aagcgt 416

<210> 26460

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B8

<400> 26460

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ccccttctc ccaattcccg ccgccgctcc atcccgtaac gcgacaccat gagggagtgc 120
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 tgccttgagc atggcattca ggctgacggc cagatgcccgtgtgacaagac cattggggga 240
 ggtgatgatg ctttcaacac cttcttcagt gagactgggtg ctgggaagca cgtgccccgt 300
 gctgtttttg ttgaccttga acccactgtc atcgatgagg tgagaactgg cacctaccgc 360
 cagctcttcc accctgagca gctcatcagt gggaaggagg atgcagccaa caactttgcc 420
 cgtggtcact acaacattgg caaggaga 448

<210> 26461
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B9

<400> 26461
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 cgcccctttt cctccgacat ccacaagggg ggaggggaaa acacgtacat tcacccggcg 120
 gcaataatgg cctcggttcc ggctccggcg acgacgaccg tctccgtcat cctatgccta 180
 tgcgtcgtcc tctcctgtgc cgcgggtgac gaccgaacc ttcccgacta cgtcatccag 240
 ggccgcgtgt actgcgacac ctgccgcgcc gggttcgtga ccaacgtcac cgagtacatc 300
 gcgggcgccca aggtgaggct ggagtgcaag cacttcggca cctgcaagct cgagcgcgcc 360
 atcgactggg tcaccgacac gaccggcacc tacacgatcg agctcaagga ca 412

<210> 26462
 <211> 390
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C1

<400> 26462
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 gcgatggcgt accgtgtcct ggaggtcacc ctggtgtcgg caaatgacct caagaaagtg 120
 tcgctcttct cccggactcg catctacgcc gtggcttcca tctccggatt cgacctccgc 180

atcccttccc acagcaccca agcagaccac agcatcggct gcaaccctg ctggaacgcc 240
 gtggtacact tccccatccc ggctgccgct gacaccgcg gcctcgact ccacgtgagg 300
 ctccgcgccc agcgtctata cctgggcgat cgcgacatcg gcgaggtgtt tgtgcccata 360
 gacgaccttc tggccggcgc cgacaagggt 390

<210> 26463
 <211> 476
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-C10
 <400> 26463

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 catgaagtac tgccccaaca agttgtgtac cgccaacggc gcctccaagg tcaccgtcaa 180
 ggacgtcacc ttcaagaaca tcaactggcacc ctctccacc ccggaggcca ttagcctgct 240
 ctgcaactgcc aaggtcccat gcaccggcgt caccatggat gacgtcaacg tcgagtatag 300
 cggcaccaac aacaagacca tggctatatg cacgaacgcc aagggcagca ccaagggttg 360
 cctcaaggag ctggcatgct tctagaccct ncgtcgactg acccatctct ctagttataa 420
 tttttctctc gtccttgcat ggcatattag ttgctatcca ttggtaacgc acaaca 476

<210> 26464
 <211> 67
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-C11
 <400> 26464

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 atatcgc 67

<210> 26465
 <211> 55
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C12

<400> 26465

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<210> 26466

<211> 199

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C2

<400> 26466

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gcgatggcgt accgtgtcct gtaggtcacc ctggtatcgg ctaatgacct caagaaagtg 120

acgctcttct cccggactcg catctacgcc ttggcttcca tgtacggatt cgacctccgc 180

tttccttccc acagcaccc 199

<210> 26467

<211> 390

<212> DNA

<213> Zea mays

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<400> 26467

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catcgtgcat ggtgagaagg aagagtcaaa gggcatcgat gcgaaagcgt ccgggcctgg 120

tgggtccttc gacatcacca agttgggcgc cttcggcaat ggcaagacag acagcacgaa 180

ggctgtgcag gaggcattgg catcggcgtg cggcggcact gggaagcaga caatcctcat 240

accaagggc gacttccttg tcggacaact caacttcaca ggcccttgca agggcgacgt 300

gaccattcag gtggatggca atctgctggc gaccacggac ctaaaccagt acaaggaaca 360

tggttaattgg atcgagattc tacgcgtgga 390

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<212> DNA

<213> Zea mays

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<400> 26468

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ccgacgactc ctccgacatc accaaatcct gcacttccac ctacggcaag acagacaact 180
ccat 184

<210> 26469

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C6

<400> 26469

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cgcggttggtc gtcggcgtgg tcgccaccgt caccactcc ggcaagaagg ccggcgacga 120
cttcaccgtc ccgggggaag cctccattgc cagtcgggc aagtcggtcg agtccctgtg 180
cgcgcccacg ttgtacaagg agtcgtgtga gaagacgctc tcccaggcca ccaatggcac 240
cgagaacccc aaggaggtgt tccacagcgt tgccaatgtg gcgctggagt cggtgaaaac 300
agcggtcgag cagtccaaga cgatcggcga ggctaattgcc agcgactcca tgaccgagag 360
cgcgcgggag gactgcaaga agtcctcga ggacgccgtt gacgacctca ggggcatgct 420
cgagat 426

<210> 26470

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C7

<400> 26470

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gtcactgaag gtaacaattt aattgcaatt ccagaggatc ctgaattgtc tgccaaactt 120

gttcggaaga ctacagtga gaaaagacat ggttggtgga ggcaatttcg tttgcttttt 180
aagcgagcat ggatgcaggc ttttcgtgat ggaccaacaa acaaagtgag atcacgaatg 240
tctgttgctt cagcagttat atttgatct gtgttttggc gaatgggaaa atctcaaaca 300
tccatacaag acaggatggg actacttcag gtggctgcca taaacacagc aatggctgca 360
ttgacaaaga ctgtgggagt tttcccaaaa gaacggagta tagttgacag agaacgagca 420
aaaggttcct atgcacttgg accata 446

<210> 26471
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C8

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tgccaccggg cccaacatc accaccaact acaacggcaa gtggctcacc gctagggcca 180
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aggacggcaa gggctgcggc tcatgctacg aggtgagatg caaggaaaaa cctgagtgtc 360
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acttcgactt gagcggcaag 440

<210> 26472
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-C9

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ttctctccta gccaatctcc ttctatgttt gctgcatgca caatcaatca ggcggctgcc 180

ttctatgttt gctgcatgcg caatcaatca gatgactact ttccatccta gccactcacc 240
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<210> 26473
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D1

<400> 26473

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 gcccgctgcy cgtcctgttt taagctacgt cactcttggg tcgttcagct gggagcagga 180
 caacgagaag attaggatat atgtttccct tgagggagtt gagcaagaga aggtggagac 240
 tactttcaag ccaacatcag tggatataaa gtttcatgat gtcaaaggca agaattaccg 300
 gtgtgctata ccaaagctga acaaggaaat tgttcctgag aaatgtaagg ttgtggtgaa 360
 accaaccagg gttgttggtta ctcttttcaa gggttctaaa ggcaactggt tag 413

<210> 26474
 <211> 205
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-D10

<400> 26474

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 caatggtttt atttcggttt gggatctaca catttgcttt gtaatgttaa ttacattagt 180
 acatacatgt ttccagttat gtggt 205

<210> 26475

<211> 317
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B2

<400> 26475

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agaacatgat actgaagccg atccggcata tgtcaaccat catggatggg caagtcgcgc 180
aaaggcaaat cttgttgctt accgacgttt aacacgtggc acacatcggg aggaatgggc 240
ctggctacac catcaacatt gacctcatca gcaactacaa tagttgcaga gcacctaact 300
ggatcaagga ttaccac 317

<210> 26476
<211> 334
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H7

<400> 26476

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ggcgactact aaccggggcg gcggcaaggc cgggctggct gaccggctgt ggcaggacaa 180
gggcgggtcat gcgaagctgg cgtgcccgtt ctgtcggact ccggctcccg acatcgagtg 240
catgcagatc caccacgagg cgctccaccg caagctcccc ttcgagccgt agtagctcct 300
ctacctgcac tctttctgcc gctctgctgc tggt 334

<210> 26477
<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H8

<400> 26477

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 tttaccgttg gctattttct ttgctccaag aagatcatcg tcatgccaaa gtgcgttttt 180
 taacgtacat aataatgtgg tactttgctg atgctaaaat gtaagtgtgg agctcatttg 240
 gaacatacgt tctatggggc actcgacgaa gaacattgat tatacatgtt tctggcacat 300
 tctcatgtta agaataagca cccgctatta tttttcgcat tcatgtaaaa aaattttaca 360
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<210> 26478
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-037-Q1-K1-A10

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 taggtcgaaa atggcgatga ggtcgctagc gctactggtc ctctcagcc tgctggttgt 180
 tggtgtggcg cangcgggtg agttggagat ggagttgggt cctgctgatg caattgcgat 240
 gactatggat catgaaccgc cgcaagaatg cgcgacccca gtgagcgtgg aggaggcgtg 300
 ccgcggcgcg tctgagacgc acgcccgcgt ggccctacgac cactgcatgg cgtcactggg 360
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<210> 26479
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A11

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 ggagacttgg ctccagcccc tgctccatta ggagcttgag gcgctatttt attcccagaa 180
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aagacggact cgacacatgt ggtccaggac acgtggacgt caacgtgcgg agcgattgga 300
gacgcaacga tgctcattcc caatggcgac tacctgggtg gccctctcta cttcagaggc 360
ccgtgcatgg aggacattaa c 381

<210> 26480
<211> 473
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-037-Q1-K1-A12

<400> 26480

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gccgtcgct atgttctacg tccacgaggc ggacgtcgtc cagatccacc acttctctga 180
ggagtgtcc ctctgcgcca aatcgctctc cggcgacatc ttcattgaca ggggtgacac 240
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gcggaagaag cgcgcggcg cgcacgcgct gtccgcacgc agcagggagc accggcacca 360
gcagcagctg cagcagcacc accaccagca gcagcaaccg cagccgcgga atgccggcat 420
ggacacccgn caccctggg tcgacgcgg gtccgccagg cccagggcg ccg 473

<210> 26481
<211> 381
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A2

<400> 26481

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ggatgtcgag ctctgcgccc tcaacaaccc cttcatcacc acggattaca tgacctacat 180
gttcaagtac tacaccgtgc acggccaatg gaagcacagc gacatcacc tcaaggactc 240
caagacgctg atattctgcg agaagccggt caccgtattt ggcatcagga accccgagga 300

gatcccgtagg tgcgaggctg ctgctgagta tgtcgtggag tccaccgggtg tcttcactga 360
caaggacacg gctgctgcac a 381

<210> 26482
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A3

<400> 26482

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gactccggct gaaggacgct gcggcaccta tgcggacga cactggccgc actataccca 180
agttcggcga atgggacgtg aacaaccccg cctctgccga cgggttcacg gtgatcttca 240
gcaaggccag ggatgagaag aaagcccccg cccaaggcca catcagggac aggtcggcgt 300
cggccgacag ctaggactcc aggtccaggg atgagaagat gacctcctac agtccagga 360
ccaacgcata gaagaaatgg ttctgctgtg tctcgcccag tcccacacag tcttgaggga 420
gctaatagagc cgtgcagtgc tgcattttct 450

<210> 26483
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A4

<400> 26483

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aaaattttgc cccctgaaac cctagcgctg cggtacacag gcaagggcaa aattttctgc 120
gactccggct gaaggacgct gcggcaccta tgcggacga cactggccgc actataccca 180
agttcggcga atgggacgtg aacaaccccg cctctgccga cgggttcacg gtgatcttca 240
gcaaggccag ggatgagaag aaagcccccg cccaaggcca catcagggac atgtcggcgt 300
cggtcgacag caaggactcc aggtccaggg atgagaagat gacctcctac agtccagga 360
ccaacgcata gaagaaatgg ttctgctgtg tctcgcccag tcccacacag tc 412

<210> 26484
<211> 417
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A5

<400> 26484

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gagtcgggga ttccagatgc ttcaaatca tcaaaaagga aagctgcaag ggggatgcc 180
actccacagt acacatactg tgttgccaga acatctttcc gagcacatgc actgggaata 240
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ttcagattgt tcgggaggaa gatttatggg attaccatca aaagttgttt ctctttg 417

<210> 26485
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-A6

<400> 26485

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atccttccca actcgtggt gatggacttc gtgaacaacg gggaggtgtc cggggtcacg 180
ctgctcaact ccaagttctt gcacatgaac atgtaccggt gcaaggacat gctgatcaag 240
gacgtgaccg tgacggcgcc cggggacagc cccaacacgg atggcatcca catgggacgac 300
tcatccggga tcaccatcac caacaccgtc attggcgtca gcgacgactg catctccatc 360
ggaccgggga cctccaaggt gaacatcacc ggcgtgacct gcggtcctgg ccacggcatc 420
agcatcgga gcctatggcg gtacaagg 448

<210> 26486
<211> 395
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-A7
 <400> 26486

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gctgatgcag gtacaagtgt ttcaggtgga ggatccggtg gcgccagtgc aggtaccagt 180
gctaccgtgg gtgctggtgt ctccggaagt gccaaagttg gtggtggcgt aggaggaaat 240
gcaggaggaa gtggcaacgt ctatactgga accggtgccg atgcaggcgt ttttggtgga 300
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gtaaaatttg gtggcggcgc cagaagaagt gtaag 395
  
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<210> 26487
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-A8
 <400> 26487

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ttccatttgt ttgaaaaaaaa ataaaaataa tacaaaaaca aaaaaataaa aataaaaaaa 180
caaaaaaaaa aaaaaaaaaat acaaaaaata aacaaaaaaa ataaaaaata aaaagggggg 240
ccccttttta aggtccaaag tttctaacc ctgcattaaa agttaaacc ttttctttag 300
cggcccaaaa ttcaattaat tggtcggcgt tttaaaacca ccggacttgg aaaaaccgg 360
ggttcccaa attaataagt ctggagaaaa atccccttt 399
  
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 <211> 294
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 <213> Zea mays
 <223> unsure at all n locations
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 gggggagctc gtcggtgaga tcctccgata caacggcgctc agggtcacct actgaagtga 180
 agtagtgaac aacaaaccag tcagagtcag agcaagcgca agccgacaag caacgcttcg 240
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<210> 26489

<211> 254

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B10

<400> 26489

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 aataccttgc tttaggttta aacacgtcac agttacaggc agcctcagat accatagagt 180
 ctataaacia gttattcaac accctctcac atatatcgga tcatatttag tttacaacgg 240
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<210> 26490

<211> 331

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-037-Q1-K1-B12

<400> 26490

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 ataccacact caactcaaac gacagcgctt taaacacacc ggagcatacg gaccatacat 180
 ttctcacctg tactacaact ggcccacctg cacctgtcat caattgtcac agacgtggca 240
 ccacttgtec ccaagcttta aggacacgac ttttatctcc ccacatgcat tcacgaacac 300
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<210> 26491
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H6

<400> 26491

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 catgagatcg ggatgggtcaa ctcatctagc tgtgactgac gacactgaga agacaacaga 240
 tagcgtcaac actcattata tggataatag tgtatggata gatatataga tactcgtcac 300
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 ca 362

<210> 26492
 <211> 387
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F4

<400> 26492

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 cggctgtgac gaggtcacgg gccactcca catgagcatg gaggactgca tgaagaggcg 180
 caaggagatc gctgctaagc aagggcctac ggacccttac aaggatcaca aacttgacat 240
 cccatgaact aatcaatgct actatatcat ctgcctatcc atgcatgcat tgcattgcgt 300
 atgcacactg tgcgtgcctg cccacaaagc tcgacaacac agcgatctac acggatttga 360
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<210> 26493
 <211> 273
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F5

<400> 26493

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gggccggcct tttccgacat tcacaggggg gacacgaaat cagcggccat ggtctctatt 120
ccggcgacga ccttgagcgt catcttatac gtctcttgt gtgcctcggc tggcaccggc 180
cttgacaacg acgctatgcg actacgtcat ccagggccgc gtatactgcg acacctgccg 240
cgccgaggtt cgtgaccaat gtcaccgagt aca 273

<210> 26494

<211> 280

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F6

<400> 26494

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cgctccacca ctgttccgtt gcgcccgtc acgatcacgc gttttcggcg ggagagagag 120
taagtagtta gaggtcggga caggatgctc gggttcaggc atatgtcatc ttcttccgct 180
gaggctcacg ctctatcgga tcagctgtgc gaaggggtgg cggccttctt ggccgctcga 240
taggcgatgg agacgccgct gactgcagct gatgcaacgt 280

<210> 26495

<211> 110

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F7

<400> 26495

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tcggggggct acatgtctat agccttacgc gctaggggac gtcagaggcc 110

<210> 26496

<211> 359

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-G1

<400> 26496

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gctggtgctg tccgtcaccg cgttcgaggc caacgggagc aggtacacga taacggtaga 180
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aggcgtgccg agcaaggccg cgtgggtgaa ggtacacaca tgagaacgaa ggaggctcgg 300
agacgaatgc cagtcgcgtt tggcacgaca atacacatgt gtccaccgga gtagctgga 359

<210> 26497

<211> 374

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-G2

<400> 26497

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ccgcccggc cgtgcccga ggagaagccg cttgcgggc gaaagccaga gccgaagccg 180
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ccggggggc gcgtcgccac gtcccctccg ctctgttct gcggcgacgg ctgctccggc 300
ccgtgcgcct acttgcccca gtgccagacg cctactnctg cgtaccctgg tgccaccgtg 360
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<210> 26498

<211> 337

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-G3

<400> 26498

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tggcggcggc ggtgtggctg tcgcggcagc tgtccctgct gctggcagcg ctccctgcagc 180
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<210> 26499
 <211> 363
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-G4

<400> 26499

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 ctgaggcgaa gaaagaagag aacgtggacg agaaggacga aagcgatgac gacatgggct 240
 tcagcctgtt ggactaagct tgtgcaatag tcaagaatat tgctttagag tcgctgaagc 300
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 ttg 363

<210> 26500
 <211> 335
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-G5

<400> 26500

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 cggccaacgg gcataggtac acgataacgg tcgacgctcc gggaaagcct gagctcgcgc 180
 cgccgggata ctatctgttg tacgtcatag cgaaaggcgt gccgagcaag gccgcgtggg 240
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 gacaatacac atgtgtccac cggagtagct ggacc 335

<210> 26501
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G6

 <400> 26501

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 gatatgcata ccattaagat gatcatttca cattatcacc aagcatcgat gacaatatga 240
 gaacagctta catagttatc agtcatgcat gttcaggatg catatttgaa acacttgtac 300
 tctgcaaacc actaatcgct gttgtaa 327

<210> 26502
 <211> 259
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G7

 <400> 26502

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 agggcgatcg atagttaagc tatggcagca agtggcgatc gatgtggaga tgcattgggtc 180
 atgtaattat attattgctg tgcttgtgat atacacatgc atggatcatt aaaaaaata 240
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<210> 26503
 <211> 310
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-G8

 <400> 26503

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tctaagtgtt agaaacagga gaaagaagaa aagaaaagaa gtggagagtg gctgtgtaca 120
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tgcgccagac cagcgcgag caaaccagcc gctatcgggt ttttctccgg cgacttcggc 240
taaaattcac cggactgtcc ggtgtgcacc ggactgtacg gtgagccaac ggtcagccga 300
gccaacggtc 310

<210> 26504
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H1

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ggaacacgcg cttgaagcgc cggcagcgcg cgggcctgcc gccctaccg acggacgtcg 180
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actcggcact gatcaatcag aactaccc 388

<210> 26505
<211> 323
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H2

<400> 26505

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tgagaaaggg gggagagggg aaggaaactt cacgtcgctt ccatgacgcg tgcagtgcac 180
gagatcggca tggccaactc aactagctag gacggacgac acggagaaga aaacagatcg 240
cgccaacacg cataagatgg aaaaaagtgt atggatagat agatagatac tcgtcacacc 300

<210> 26506
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H3

<400> 26506

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gctcatagta ctaggctggg tgggtgttgg agacgtggct caattgaatc tgtagagtgt 360
gtgatggatg atatgatctg cgtctattga gcagttaaga ctgatgaaca tttgtccacg 420
t 421

<210> 26507
<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H4

<400> 26507

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gccaccaaga agaatctgcg gcctaggtct ttctggggga tccgcagctc acaaatcgca 180
gacgacacac aagtagatca ggggtgactga tgctccaaac ttccatgcgt ataaggccat 240
agtagcagtg gactactaag ccatgtatga cctgggtgtc ccaatcctcc agtcgtctct 300
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taaaacaatc actctttttc tactggtgta gtagtgctct gcactgaacg gatttactga 420
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<210> 26508
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-H5

<400> 26508

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ttagcatggt tggatgcgct tgggtgcact gcaggtgtcc tacgactaat ctctactggc 180
ggtgagcatt atgatcctgg aatgataata gtcttcgccc caagggcacc tgtaccctca 240
cgtgtgatcg tgggaattag gctctgatgg atgcaatggt ggaacgtgta ctaacacaca 300
tagtgcgttt cagaactcga tttaaatggt agcctcagat gctaataata acataaagt 359

<210> 26509
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F3

<400> 26509

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aaatggaaga agcaagtgtt ggcacgccc tcttcaggt tctctggagg acatgggtgc 120
tggagtgact tggccgtcca tcttgccacc gggttggact gtcgagtggg accctgcctc 180
ggctaacgag gagcatgagg agtgatggga caggcttccc catctctctg tttaattact 240
gttagtttta ttccgctgca ctctgaacaa tgatgattac ttttgcaaaa actccgatga 300
tgatgtaata acttaatact ccttaatgta tggttttatg ctgtattgta ttgctctgt 360
gactcacctt cgagtgagat tgtggt 386

<210> 26510
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C8

<400> 26510

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gatatatttg gaatttctgg gccaacgtat ctgaaatcaa tcgattggaa ctgtgagcat 180

aatcggagat ctgtggctgc aagcttagtt catgctgtat atgtggttga gagagaccgg 240

caactgaatc atcaatcttt tgaagccttg gcacctgctt ggtgggaatt cctccatttt 300

gagctgattc gcaagctgat tgatgatgct gatatgtcca tatttgggtgc aatatttgaa 360

ttcaaccctt caaggaggaa gcttctggtg catatgtctc aagatttgt 409

<210> 26511

<211> 384

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D1

<400> 26511

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cgaccatcct catgaacagg tacgagctcg ggcgacgctt cgggcagggc accttcgcca 120

agggtgtacca cggccggaac ctgcggttcg gcgagagcgt ggccatcaag gtcttcgaca 180

aggagaaggt gatgcgcgtc ggcatgatcg accagatcaa gcgcgagatc tccgtcatgc 240

gcctcgtccg acatctcaac gtcgtgcata tgcacgaggt gatggccagc aagagcaaga 300

tataacttcgc catggagtac gtccggtgcg gcgagctctt cgcccgcgtc gcccggtggtc 360

ggctcaagga gacgccgcga gaag 384

<210> 26512

<211> 417

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D2

<400> 26512

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acgacgacgg cgccggcgctc ggagaagaag aagcagacaa ctctcgtata tgtcttcttg 120

ccccctttcc gatctggtgg tcgtagcgct catcatcgcc gtcgtcgccg tcatacctccg 180
cgccctcgct tgctctggcc gatctatgcg caaggggctc aacggctgga acaaatacctc 240
gtcgatgctc agggacgggt tcggggtgaa gtattccgga ttccctccaca taaggccgtg 300
cggcttctgt agaggagatt gacggattcg gccgatttgc gtcgtctcc gtcatttttt 360
ttttttgcac ccagagtttc tgggttttct ttagaagttt tccccccata gttttgg 417

<210> 26513
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D4

<400> 26513

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tattctgtgc ataccgatcc tttatgtcta ccgctacatg acgtacctgt cggaacctgg 120
atcgtgaatc gttatgaata ttgcgtcagt gataaagaat aatctcggtg tcaccatcat 180
tacaggcact ttcatacctc aaaacaatgc cgtgcctcac gaccagcgat gctctgcgaa 240
tggactgtcc atgactggta tgtgcttttt caaggcactt gctccagctt gagcaagcat 300
cgtgttctca tgggcgcata aacgccagca tgcgttggtc ttaccaggtg accagatggt 360
attct 365

<210> 26514
<211> 337
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-036-Q1-K1-D6

<400> 26514

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aggaggtgtt gagaggaggc tgaggctctc ggctgcgccc gcgtcgctgcg cagcccagct 120
tgccctgcag gtgggcacac gcgtgatgtg ccggtggcgc gaccagaagc tccaccctgt 180
caaggtcatc gatcgccgca agggctccga ttctatatc cccgctgact acgagtacta 240
cgtccattac accgagttca atcgaacact tgacgagtgt gttaagcttg agcagctnga 300

tctcgctact gatgagaccg atgctgacga gaaagtc

337

<210> 26515
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D7

<400> 26515

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ttagtgctgt gctgacgagt cgggcaattt tccaaaggat gaagaattac acgatctatg 180
ctgtatcgat taccatccgt attgtgcttg gttttatgct tcttgcgctg atatggaagt 240
ttgacttccc accatttatg gtcctggatc attgccatcc tcaatgacgg taccattatg 300
actatctcga aggacagagt aaaaccatct ccacaaccag acagttggaa gttagctgag 360
atTTTTGcaa ctgggagt 378

<210> 26516
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-D8

<400> 26516

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tcatgatgcc gctggacacc gtcaaggagt gcggcaccgc gctgcaccgt cgcaaggcgg 120
tgcaggccag cctctccgcg ctcaagagcg cgggcgtcga gggcgatcat gtggacgtgt 180
ggtggggcat cgccgagcgc gacggcccgg gccggtacaa cttcgcgggc tacgcggagc 240
tcatggagat ggcgcgcaag gccgggctca aggtccaggc cgtcatgtcc ttccaccagt 300
gcggcggcaa cgtcggcgac tccgtcagca tcccgtttgc cgcgtgggac gccgaggaga 360
tgagagggga ccaggacctc tgctacaccg accagt 396

<210> 26517
<211> 454

<212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-E1

<400> 26517

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 ggtgccggtg gggaggaagg gccgcggata atcgtgccta tggcggtgga gggtagccccg 120
 aatcagctgg cgtttgtaga ggagtcgaag ctgcagaagc gcaaggagaa cgtggactgg 180
 gccgtgagga accgggagcg catggcggcc aagcgccagc gcattcgca cgagcacaag 240
 gtcgtcgtca ggcggcccga ggagtctgtc accgcgttcc gcaacaagga gcgcgacttc 300
 ctgcggatga ggagccgcat caaggctccg agccagccgt ccgtcgaggc gctcggctcc 360
 aggctcgtct tcgcgattcg cgtccctggg ttccgaact taaagagtgt gaaagagctt 420
 atctacatga aaggccgcgg gttctttgac atgg 454

<210> 26518
 <211> 241
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-E2

<400> 26518

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 ttctatggct tgatcataaa ggcgaatgc atagggcgga acgatactca agagctagac 120
 gacgggcatac taatgcacga tccaggagtg tcgtcgatca acacgatcta tacgaactgg 180
 aatgattgca tgcatatgag gattatgacg aacgacgttc agtgctgtc taaagagata 240
 c 241

<210> 26519
 <211> 288
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-E4

<400> 26519

cccacgcgtc cgcccacgcg ttccgagaaa gtcaggaata tagtcatgaa aaggggtcat 60

atggcagctc cactcctcct gattttcttac ttcccaaaga agaaagaagt aaacaccatg 120
gtaatcaaac attccaaaac ttcacaactc atgggaagga tgatgatttt gcagcactag 180
agcagctcat tgaagatttg acaaaagaga aagttttcttt gcaacaaaag tctcagaaat 240
ctcaagaact agcccgaac ttggcgacag ataactctgc attaactg 288

<210> 26520
<211> 468
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-036-Q1-K1-E5

<400> 26520

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atggcagctc cactcctcct gattttcttac ttcccaaaga agaaagaagt aaacaccatg 120
gtaatcaaac attccaaaac ttcacaactc atgggaagga tgatgatttt gcagcactag 180
agcagctcat tgaagatttg acaaaagaga agttttcttt gcaacaaagt cttcagaaat 240
ctcaagaact agccgaaact ttggcgacag ataactctgc attaactgat aagttcaacc 300
aacaggcaca tgtaatcagc cagttgacat ctgacatgga gagattgcag gaagagattc 360
aagctcaact gttatcaaac atccagggag ttcttggatc aatatctcgt acatgcaact 420
ggtngctatg aggctatana acaatngtca ctagctggcg ctggagtc 468

<210> 26521
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-E6

<400> 26521

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gcacgggcac gggcgcacgg ccagcgcgaa cctcctcccc tcccctcccc tcttcttccg 120
tttccaacag cgaggcatgg tggagaaggc gaggagcatg gcgcgcaaac tagagatccc 180
ccagtggaag cacgacggcc ttccgtcgcc gacgagcccc ctggaccgcg cgtcgccccg 240

tgggtggcgc caccgcgacg ccgtctgagg cgtcgggctc gggatcctgg cggcgctgga 300
 agccgaggggt ccgctgcccc gcgccgtcgc cggcgccgcg ccgcgggtgt ccatccccgcg 360
 gcgcgcggcg cggctggagg tatcggagct cgcgtgcagc gggc 404

<210> 26522
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-E7

<400> 26522

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 gccgcgtcag gagggttcgc gctgacccct ctcgcgtgct gcagcctcat catgctggcg 120
 gcggcgtctg gcggcggcgg cgtggacgac gacggcgtcg gtggtgacag gctgatgatg 180
 gaccggttcc tcagctggca tgcgacgtac aaccggtcgt acccgacggc cgatgagagg 240
 cagcggcggt tccaggtgta ccgccgcaac attgagcaca tcgaggccac caaccgggcg 300
 ggcaacctga cgtacacgct cggcgagaac cagttcgccg acctcac 347

<210> 26523
 <211> 398
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-036-Q1-K1-F1

<400> 26523

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 taaccacaaa gataaattta ttatttttgc atctgatggt cctttgggag cacttgacaa 180
 atcaacaggc cgttgaaatt gtccacagca atccacgac aggaattgca aagaggctgg 240
 taagggcagc gttgaaacaa gctgcacgga agagggaaat gaggtatgat gacctcagga 300
 aagttgagaa ggggaattcgc cgcttcttcc acgatgacat tacagtagtt gctgtttaca 360
 tagatcacgg attactgcn a gagagggata cttccgtg 398

<210> 26524
<211> 307
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-F2

<400> 26524

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cgctgcgcg acgatagcct gtccgacctc gagcgcggtc cggttcctcc ctgcgtcagc 120
acgcgagccc ttggagcttc gagtcagatc ccggcgggcg cccatggcgg ctctggtgcc 180
gttgagccgc gcgatgtacg gttttcgcgc gccgcatagt acgagcgatg gggcgccgga 240
agatgtccgc ggcggcaccg ccgtctcgga gctgggtcaa cgttggcgga agcgtcatcc 300
cggaact 307

<210> 26525
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C7

<400> 26525

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ggattaactt ccagtcctca agtgaggtgg ctggttgtct cctggataaa gtttatgccc 120
ttaaagcatg atcttccaac ttcaccatcg ttgtggaggt gttgtgccgc atcgaccaca 180
agttagacct catgtacgcc aagcgtgcgt ccgtgcactg gtatgtcgtt cagggtatgg 240
aagagggcga gttctctgag gcccagagagg atctggctgc tctctagaag gactacgagg 300
aggctgctgc tgagtttgat gaaggtgagg aatgttatga tggatgatgag tactagaagt 360
attctgatgc ggtcatcgtc aggtttgtgt gctgatcttg tcctcgttgt ggtttgcaac 420
acctga 426

<210> 26526
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A1

<400> 26526
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 tgttctacga cgccaccctc gccctgaaag cgcttgggggt ctgcatcttc tcggctgaga 120
 ttgggagaca ggcagcgtcc gagcggcagt gggaggtgta caggttcctc ctggacgaca 180
 gcagggagtt cccgttgacg aacagtctcg ctaacaggaa ccgtgtggtg gataggggtga 240
 ggaaaacgct gatgggatgc tacaactagt agggctcctc tcctcggcgt cgacctgtct 300
 gtctgtctga ccaagaataa tgcaaagctt gaaggcaact aacgactggt gtttctagac 360
 tccgttgctg tcgtcgtgc ccacagctag ctgcctgctt cgtcgtc 407

<210> 26527
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A2

<400> 26527
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 tgggtctacga cgccaccctc gccctgaaag cgcttgggggt ctgcatcttc tcggctgaga 120
 ttgggagaca ggcagcgtcc gagcggcagt gggaggtgta caggttcctc ctggacgaca 180
 gcagggagtt cccgttgacg aacagtctcg ctaacaggaa ccgtgtggtg gataggggtga 240
 ggaaaacgct gatgggatgc tacaactagt agggctcctc tcctcggcgt cgacctgtct 300
 gtctgtctga ccaagaataa tgcaaagctt gaaggcaact aacgactggt gtttctagac 360
 tccgttgctg tcgtcgc 377

<210> 26528
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A3

<400> 26528
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accgcgttac caccttcgag gactcacaga aggagagcga gtacggctat gtccgcaagg 180
tctctggacc tgtggttggt gctgatggaa tgggtggtgc tgccatgcat gaacttgtcc 240
gcgtcgggca tgataacctc atcggggaaa ttatccgcct tgagggcgat tcaactacaa 300
tccaagttaa tgaggaaaca ggtggactga tggatgaatga ccctgggtt 348

<210> 26529
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A5

<400> 26529

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cgagcggacc tattctgacc ccaacgacca ctctctccgt cacaagtaat ggcatcacgc 120
gaccgcatta ccacctacga agactgacac aacgatatcg agcaacgcta tccgcactat 180
gcctatggac ctctagttgt agctgatcaa ctgggtgctg ctcccatgta tgaacttgat 240
cgtcaccaac atgatagctt catcgaacaa accatccgtc ttgagcacga ttcacataca 300
atccacgttc atcaggaaac acttcaactg a 331

<210> 26530
<211> 207
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A6

<400> 26530

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ctactgctgc tgaaatactc tgccgcacct atgtctaact acactggccg tactataccc 180
aagttcttct aatgtgactt gaacaac 207

<210> 26531
<211> 203
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-A7

<400> 26531

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aaggaaaaaa ccaaacgaat aaaacaaaga aactactgaa ccaagaaata caacgggcg 120
cagccttaca aaatccatgc tgacgtactc tttcatcaac cgtgatagtc tccggtagtc 180
acgctcctaa actcaaagtt ctt 203

<210> 26532

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-A8

<400> 26532

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cacccccgt ggtgttggtg tggcaatgga tcggagtcga atctcattga gaacgtacag 120
atggcttata cccactaat ctgtaattca gtcagcgcta tttttgtccc cacctccgat 180
tttcattctg ctggatgtat gcttgacaga tgatgatacg gccctgttgt tgttgttgtt 240
gttgaaaaag atgtgttgag gggactgtag tgttcctctc cccctgttg tatggaagat 300
taccaatatg cagcgatttt ctcgcanaga ggaagctcaa tgcacatgc 349

<210> 26533

<211> 344

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B1

<400> 26533

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gacgggcagg gccagccgt gtggagcaag aactcctgca ccaagaagta cgactgcaag 120
atccttccca actcgttgt gatggacttc gtgaacaacg gggaggtgtc cggggtcacg 180
ctgctcaact ccaagttctt ccacatgaac atgtaccggt gcaaggacat gcttatcaaa 240

gacgttaccg tgacggcgcc cggggacagc cccaacacgg atggcatcca catgggcgac 300
 tcatccggga tcacgatcac caacaccgtc attggcgctcg gtga 344

<210> 26534
 <211> 398
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B2

<400> 26534

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 gaccgcaact acgtgagcaa gatcagcgac gtcgggctgg cacgcctggt gccgccgtcg 180
 gtggcggaca acgtgacgca gtaccggctg acggcgacgg cgggcacctt ctgctacatc 240
 gacccggagt accagcagac gggcaagctg ggcgtcaagt cggacatcta ctccctcggc 300
 gtgctcctgc tgcaggtggt caccgcgagg tcacccatgg ggctcacgca tcacgtcgag 360
 aaggccatcg acgcgggcac ctttgagcag atgctcga 398

<210> 26535
 <211> 236
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B3

<400> 26535

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 aatgactacg caacaaagga tgggacaggg gttcgtgatt atattcatgt ggctgacctt 120
 gctgaaggac atcttttcgc attaaagaag ctatttgaaa gctcatctaa cataggatgt 180
 gaagcataca accttggaac cggaaaatga acatcagtgt tggagatagc caatgc 236

<210> 26536
 <211> 301
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B4

<400> 26536

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atcgacgtgc tgagcgcgga tgccataccg acgatgaact ctatcatggc atcgagcccg 180

aaccatacca gattcggaag ctacttggtg catgactgta gctgattggt actgaataaa 240

ggaaaggtct tggagctacc gttcatcagg tcattgctga cgggctagct gctgaagctg 300

a 301

<210> 26537

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B5

<400> 26537

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atggagtccc tgccctgttt gccaaagccc agacttatat gaatctcagt ggagaatctg 120

tcggccact tgctgcctat tataaactgc cacttaatcg tgtcctagtg gctatcgatg 180

acatggacta gccatgtgca ggtctacgtc tacaggcaaa atgctgttc 229

<210> 26538

<211> 213

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-B6

<400> 26538

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cgtagccgta gcagcgtgtg ctagagggga agaaatgctg gaggggaggt ctcgtgtgga 120

ggacacggac atgccggctc ggatgcatga cgctgagacg tctgctgcct cgcgcgcgct 180

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<210> 26539

<211> 410

<212> DNA

<213> Zea mays

<223> unsure at all n locations

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<400> 26539

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gggtgccaga ccacaggatg tgccatatgt gtactgcctg ttctatgtca tatttgttcc 180
gctccgctgg atttactacc gctacaagaa atggcattac taccttctgg acttctgcta 240
ctatgccaac acctttctcc ttgtaatgat tctcttctac ccagaggatg aaaaactttt 300
tatggtttgc ttctcgtttg cagaggggtcc gcttgctttg gcattaattg tgtggcgttg 360
caacttggtt ttcagttcat ttgacaaact nngtaatgtc ctgatacatc 410

<210> 26540

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C1

<400> 26540

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gaccactcgc cgttactcta aataccaagc actggatcgc tgggtgggcg ttacaccggc 180
aaggaggcca ccgtgggctg gagcgccgtc gggctcgtc gacgtcgaag gttgacgaat 240
cacggtggcc gaccgatccg agcgaacgac accgattgga ggagccgggt catcaccgcg 300
gttcgcacct ccatcgtggg acggaacgtc tacgctgcga ttgctggtga gacgagcaag 360
tgactgagga acccgaagca ccgtatgttg aagattctga gcaggagctc gcag 414

<210> 26541

<211> 143

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C3

<400> 26541

<210> 26544
<211> 179
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-036-Q1-K1-C5

<400> 26544

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gagttaacta ccagagtaca aacgttctgc ctgattctca cctaattgcaa ctgcacctca 120
ctaactgcat gacctcctac tacaccattg atctgtcagt ggtcttccca atcgatcac 179

<210> 26545
<211> 459
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-036-Q1-K1-C6

<400> 26545

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cgacctcgcc gggggctcgg ctacgccctc ggagcaggtg ccggctggaa ggatcaggtg 120
ccgcaagagc ttgtcgccag aggcactctg caagctgagg agatggctcg agtctgacca 180
gtagacgctt ctatctgtag aggccagcgc cagcctgtgt ttctgtgctg tggctgtgta 240
aatattggcg ctgatggtgt tccgtctagt acggctgtgc ttacacggcc agcaattttg 300
tagctgagag agagttcccc ccaccggcgc tgccgctttt gtttcacacc gtttngtacc 360
tttgtgggat gtacatacca ttatccattg tgctcggttc ggctcaggtt ggcagagaga 420
ataactactc tagttcgcta ccaccgttgc cttgctga 459

<210> 26546
<211> 439
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-035-Q1-K1-G3

<400> 26546

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agattattgc tcttactcat gcaaaagata tagtcgtatt catcgatggc aattactatt 120
gtatttgagg aggcatccaa aggagggtgct cctttgtctn taccaattgc tagtattgag 180
gttgggcatg gtcacagctt gccaaaccta gcactcagga ggggcgagga acactctttt 240
attctcaaac cagcaactat gtcctcaagg gaacggaaga ccaacagtca tgcacctctg 300
gccttatcac tccaacgat gaccgggtgct actntaaata ctcatacacc agaggctggt 360
gagccgatg ctgatctaag cgaccaatat gctgtactgg tatcttatcg ctgtaattac 420
acagaatcga aactttttt 439

<210> 26547
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G4

<400> 26547

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tcctttcatc atccctgcct gctccagttg ctcatatgtg gatacagatg gccctgaccc 120
tgcacgcgca ctaaaccatg atgaccacaca taagccactc ctaataagta acaatcatca 180
gatggagtcc aatgccatga tgcaaaatcc aaaggagaac cagatgcagg gcaattgttg 240
tggaacagtg atgggcaagg gccgcctggc gacactcggg gaagaacaca gtgcaaaaaa 300
gctcattcgg tgtgtggact tttggctcta ctacacagcc tacttctgtg gagccactgt 360
tggcctggta tacagcaaca acttggggca gattgcgag tcattgaacc agcagtcaca 420
gctcaccatg ctcccttgctg tct 443

<210> 26548
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G5

<400> 26548

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catctgcctt cagctcatatc ttgctttaac caactagact tgcttgagta cacatccaaa 120

gagcagctcc aggagcgggtt actgttggca atccacgaag caaatgaagg tttcggattt 180
 ggctaatacag ttatactcgt ttgtccgtgc cctgagaact gcaaataaggc gagcagcacg 240
 tgtgtggctg atctcattct gaactccacg tgtgtgatga gagatggccg gagagaacat 300
 gtccaggata gacgaatgcc cgtgggagag gtactactgt taagagagag agcgacgatt 360
 ttgtgtttat aatctttgtc cgtttgtagt ttttgcctta cattggtc 408

<210> 26549
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G7

<400> 26549

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 ggtctgggag agctccctca ggcctttgcc cgctgagcg ctgtttacgg tggcacgtac 120
 atgctgaaca agccagaatg caaggctcag tttgatgaga gtggaaaagc gtatggagtc 180
 acttctgaag gggagaccgc caagtgcag aagatcgtct gcgaccttc gtatttgcca 240
 gacaaggatga agaagggttg aagggtggcc cgcgcgatat gcatcatgaa gcatcctatc 300
 ccggacacca aggactcgca ctccgtgcag atcatcctcc ccaagaagca gctaaagcgc 360
 aaatccgaca tgtacgtgtt ctgctgctcc tacgccaca acgtcgcgcc caaaggcaag 420
 ttcatcgctt tcg 433

<210> 26550
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G8

<400> 26550

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 gatcatgatc tggatgctga ctgttcgcaa cgcaggtatg atcatagtga tgctgggtag 180
 cagcgttcta ggcctgacgc ctgtgccttt ggactttgtc actcgtacac aggccacaat 240

tgaccctgac catatactgg ctccagctaa ccaagctgac catgaccaga tgcggctgaa 300
gacttaacag gctttgcaag acgctgaaag cgctgaagat gaacaacctt taggcgtaga 360
agctcac 367

<210> 26551
<211> 352
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H1

<400> 26551

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ggccatggtg gcggcggcgg tggcggcggc ggcgctgccg ctgctcgtgg gtggcgcgta 120
cgcagactgc tacaactacg gtttcaccga ctgcttgacc aaggacaggt ccttgaagga 180
ctactgcagt tacgcctgcg acaggacttg cgcgcccgac gcggcgcccc ggcgccccgt 240
cgccggtctc ccataaaact gccagctggc ctgcgtcagg gactcctgca gccgtcgccg 300
tgcagatgct aacgacatga aggcctgtta cgggcagtgc tacgaccgtt gc 352

<210> 26552
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H10

<400> 26552

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tgtgcccggaa catacagagc aatcctcttg cactgccacg tacggtgcac gcaccatggc 120
tgtgtcccg cccgtcctgc tcctcgatc cctcacgggg gctgccgcgt cctcgccac 180
ggattccact cctgaggatg ccgataccaa gccgagcacc ctgacccccca tcgcgcacag 240
cccgtggga tctttcgaag gcgccgatgg gcccgtcgcc gacaacgcca tcgacgacga 300
tgacgcggcg cccgtgggct caccatcgg caccaccatg acggagccgg agccgcagct 360
cgcgcccccc gggctccccg atagcagcgc caccgtgtgt tccgtaggcc acccagtcgc 420
tgctgctgct gttgccgc 438

<210> 26553
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H11

<400> 26553

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agtctatcct agtgtcagtt gatttttctg gtaaaactgt gaccaaataa gttaattcgc 120
caagcatcat tactatcgga atttc 145

<210> 26554
<211> 289
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H12

<400> 26554

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agtaaaggag cgtaggagcg tcgttttctg ttgtggcga ataaataatg tgtctgtgtg 120
ccgatcccggt gtcgggttag tgggcccact gtcggtgctg atgtggcctg cctttacagc 180
acatcgggtgg ggctgggccc tagagctcct gtgtcggtta aatatatgtg tactctgtac 240
tgtaccaact agtatgtgtt tcgagtgtgt agtaagcata tttgtgtcc 289

<210> 26555
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-H3

<400> 26555

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ttaggtgacg gtcceaagaa gtccatcgtc accggcaaga agagcttcgc cgacgggatc 120
acgactttca agactgcaac cttcactgcg caaggcgacg gattcatggc gatcgggatg 180

gggttccaaa acacggccgg cgcggagaag caccaggcgg ttgcgctgct ggtgcagtcg 240
gacaagtcca tcttcctcaa ctgcaagatg gacgggttcc aggacacgct gtacgcgcac 300
tccaaggcgc agttctaccg caactgcata atctccggca ccgtaggactt catcttcggc 360
gacgcggcgg cgggtgttcca gaactgcata ctggtgctgc gccgnccgat ggacaaccag 420
cagaacatcg c 431

<210> 26556
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H5

<400> 26556

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accaacgcgc ctgactgccc ggcttcttac gacatagcta cggttcgatc cacgccttac 120
tgattgcaag caggggtgata gtcataga ctatagctga actttcaagc tgtcaaagta 180
gagaacttct gctgtaacga tactaaaaga cccaatcgat ctctgtattta gcacatatga 240
gtactcagat gacgttgccg atcgatcttt tgcgcatgca aacttaactt atggcatgtt 300
tatgactacc catatgttca caaagtgtcg tgcttgcaat gctttgaaca tctgatcttg 360
gaagtacttg gatccataga ttaggtaaga tc 392

<210> 26557
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H6

<400> 26557

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gccaggcgtg gcgtgtgggc gtcctctcct ggccgacagg gctcgaacct aaactccggc 120
tcaccgacgg gcggcccggc caagcggggc cggctcctgc cccgacctcg gcccgcgcg 180
cgcggtgcg ggtcctccgg cagcggccag gcggtcggcc tcgaccccg tggtgcgcgg 240
tgcaggcccc ggcgcgcggc cccccggtg cagcgcgggc agacggccca agcgcgcgga 300

cgcgcggtct cccggcggtg ggcggggcag acccggcgct cgggggcgcg ggcgtgcggc 360
 cccccgtggc ggcgcgggct aggcagggcg tgggcgcagc cccacggcgg gaccgcggca 420
 tggcagcgcg cgacacgcgg gcac 444

<210> 26558
 <211> 446
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G2

<400> 26558

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 atgtctgacc gggcaaagat gtcgtggcag gcgtacgtgg acgagcacct gatgtgcgag 120
 atcgagggcc accacctcgc ggcggcgggc atcgtcggcc acgacgggtgc cgcctgggcg 180
 cagagcacgg cgttccccga gttcaagacc gaggacatgg ccaacatcat gaaggacttc 240
 gacgagccag ggcacctcgc gccgacaggc ctgttcctcg gacctaccaa gtacatggtc 300
 atccaaagcg agcctgggtgc cgtcatccgt ggcaagaagg gatcaggagg catcaccgtg 360
 aagaagacag ggcaggcact cgtcgttggc atctacgacg agccgatgac gcctgtgcag 420
 tgcaacatgg tgggtggaaag gctggc 446

<210> 26559
 <211> 376
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-E9

<400> 26559

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 tgcgcaagtg ctactgcaag aaggtctgct agggcatgac cggcagcaag ccccaaccgt 120
 acggctgggt gatccggttg cactctgcac agctcgtttg ggcacgcggt catgttccgg 180
 cttctcggct ttatttattt cttctttggt ataataaata gactctgtta gtcacgtgcg 240
 ttttagtctg ggttgtagct tattaattct ctagtgtatt gtatttgcg aacgcgctgt 300
 acttaacgta gccatgtatt cgcgttgctt ggtggagagg ccaacgattt ataaaaaaaa 360

aaaantaaat aaaaat

376

<210> 26560

<211> 439

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F1

<400> 26560

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gacccccaaag cccacgcttc cgaattcacc gactcctcct acacgccgcg tcgagatcgc 120
tcaggccttc gcttcagca actccaccac tcagcccacc cgccggagca atggggagca 180
cggggagcga gccggagggtt acccgcgccg actttccga tggcttcgac ttcggcggtg 240
gcacctgcgt gtaccagatt gagggagcga gaaggaggagg aggcaaaaga gacagcatat 300
gggatgtatt tacagatgac aaagaacatg tcttagacag aagcaatgga gatattgcag 360
ttgatcacta ccatcgatac aaggaagaca ttgagctcat ggcaagtcta cgtttttagcg 420
catacagaat ttctatatc 439

<210> 26561

<211> 199

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F11

<400> 26561

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ggtcattctt aactaacaaa tcccttacct ctattgccgc tactacttca ccattctgct 120
ctaccacatc atcctatgct acaagtatat cacctccgtc agtcaacaag gccgagctct 180
cccagctcat ctgactcac 199

<210> 26562

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F12

<400> 26562
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 gctctacatc cagtcggaga tcggcggggtt catcgacccg caaggctggc tgccgcggct 180
 cggcgacttc agcctcagca cctgctacta cgccgaggag gaaaaccacg ggcccggcag 240
 ccaacatgac cagacgcgtc aagtggaggg ggatcaagaa catcacctac cagcacgcgc 300
 tgcagaagta caccagctag agcttcatcc aatgccagca ctggctccca cagctcggcg 360
 tgccattcat accggggctg ctgccgcagc agcaatcggg catgatacac tgacatctaa 420
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<210> 26563
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F2

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 tcgtcacccc caggaagggc acgtccggc acgcccgtgac ccgggcccgg gcgctgtgga 360
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<210> 26564
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F3

<400> 26564

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 cgttgagcgt ggccggcagc accggagggt cggtatggtg cgtcccccaca aacttcctga 180
 ggacccccac gtggaagacg tctgtggagtc tggcgccggg cgggagctgt aggcggacgg 240
 ccacgtcgtt gatgacttcc tcgacgcggc gcggcgctgg gactcttgag cctgggtggag 300
 acggtagcgg acgtcgtcga ggaaggcagc gcgctcctcc atctcttgcg ccaccgcggg 360
 agcgcgcgca ttcgccggct cataggaccg gatggttggc gggtcgcggg cgtacaccac 420
 ccggaatggc gtgtcg 436

<210> 26565
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F4

<400> 26565

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 ggacgcgaac aggcgccaga gtgggatcca gcagttgctg gctgcggagc aggaggctca 180
 gcaaattgtg aatgccgcta gagctgcaa gtcagcgagg ctgaggcaag caaaagagga 240
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 tgcagagagc agcggcgact ccggtgcaaa cgtcaagcgt ctgaggaag aaacggcggc 360
 gaagatcgag caactacccc agcaggccgc atgcatctcc ccggatgtca ttcagatgct 420
 tctgcggcat gtcaccaccg tca 443

<210> 26566
 <211> 366
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F5

<400> 26566

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accgatctca cgctctctct cttcctccgt cgcgtcggcg tcgccatcgc cggccatggg 120
 ttgcggtggc tccaaggagg ccgtggccac cggcaacacc agcgccggca gcaaggctct 180
 ccggaggaag tctcctccg tctccaccgg cgcaagccac acctccacca cgtcgcgctc 240
 gtcctccggc gtcgttgtca aggacgtcgt gaaggatgcg gcggcggccg gcgaggatgat 300
 gacgcccggc gacgccgaga agcctatctc tgtcgacccc aaggcagacg ccatccccgg 360
 gatgga 366

<210> 26567
 <211> 437
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F6

<400> 26567

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 actgtatgaa ctatgtgaag ctgttggtac tgagcccaca aggggtgatc tgggtgtcagc 180
 gtatgttcgc cttctctgtg acaatgaggc tgaagtgcgg attgcagctg ctggaaaagt 240
 tacaaaattc tgcaaaatat taaaccacaca aattgcaatt gaacatattc ttccgtgtat 300
 caaggaatta tcatcagatt catctcagca tgttcgttca gctttggcat cggttattat 360
 gggaaatggc cctgtattgg gaaaggacgc cactcttgaa caactgcttc ccatttttct 420
 ttctttgctg aaggatg 437

<210> 26568
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F7

<400> 26568

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 aacagaggcg ctaccacaga ggcaatcaat accttggtgg catacaagtt ccaatcaaag 120
 agggttcatg atggggatgt gggaggagat ggtggtggag ctttgaaacg ttggaactga 180

cagaaagcga gctattacta gactaaaagc tctatgctgt atctgcttga tcacgtttta 240
 atactacgaa gacctgggcg aactatcctg tgcacatgca ttccacacgg aatgcataga 300
 taagtggatc cagatgaaca cgttgtgtcc tgtatgcaag gctgagatca tgggatcata 360
 agcgtcctgt gatccataga gtgactatga ggatcccgac aacac 405

<210> 26569
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F8

<400> 26569

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 attagcgaag gtggtgggga gccgccacat gggaaacttg gctggggcat cgatgaggat 120
 tttggttcat ttgaggcact tgtaaagagg atgaatgcag aaggcgctgc tttacaagga 180
 tctggatggg tgtggttagc tttggataaa gaggcaaaaa agctttcagt tgaaactaca 240
 gctaatacagg atcctctggt gactaaaggt gcaagcttgg ttccgctgtt ggggattgat 300
 gtctgggagc atgcgtacta cctgcagtac aagaatgtta ggccggatta cctgaacaac 360
 atctggaagg tgatgaactg gaaatatgct ggagaggtgt acgaaaatgt tcttgcttga 420
 attgtcttaa tggacaat 438

<210> 26570
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-F9

<400> 26570

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 cgttcgcttc accaaggggt taagaccggc ggcgatggcg gcgaagctgg cgcagctgcy 120
 cacacaggta acgcgtgcgg cggagttcgc ctcgaagcac ggctgctcct actacaagga 180
 ggtaatggag aagaacaagc agtacgtcgt tcagcccccc accgtcgaga agtgccagga 240
 gctctccaag cagctctttt acaccgcct cgcaagccta ccaggtcgct atgagtcatt 300

ctggaaggag cttgattgtg tcaagcaggt atggaagaac aggaaggacc tcacggttga 360
ggaccttggc attgccagtt tgtttggagt tgagctctat gcatggttct gcgtaagcga 420
gattgtcggc ag 432

<210> 26571
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-G1

<400> 26571

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attctctctc tctctcttct atttctatag ccagcaggta gcaggcaggc aaccggcccg 120
tatattagta gatcttcgat cgttcatcca agctaataag tcagtaagca gcagtaggtc 180
gaaaatggcg atgaggtcgc tagcgctact ggtcctcctc agcctgctgg ttgttggtgt 240
ggcgccangcg gtggagttgg agatggagtt ggtgcctgct gatgcaattg cgatgactat 300
ggatcatgag ccgcccang agtgccgcgac cccggtgagc gtggaggagg cgtgccgcgg 360
cgcgtcggag acgcacgccg gcgtggccta cgaccactgc atggcgtcgc tgggcgccga 420
cccgcgcagc a 431

<210> 26572
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G10

<400> 26572

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gcagccgctg gtggcggggg cgccgcccc accgcggcg gcggccgtgg tgccgcccc 180
ttgggtcgcc atgccgttcg cgccgcctcc cggggccacg gccatggtga tgcagccgca 240
ccatatggcg cctccgccgc cgcagttcgc gccgactcac ttcgtgccgt tccacgccgt 300

cgcgcgggca ccgtcgggtgc cagcagcgggt cgactgggt tccccagcgc cgcatcagcc 360
 cgggcaggag gagaacaaga gcgtgtgggt cggcgacctt cattactgga tggacgagaa 420
 ctatct 426

<210> 26573
 <211> 185
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G11

<400> 26573

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 gaattgagca ataatgcaat ataaggatgg atgattgttg ctgcttgagc ccattgggtgc 120
 caatgtacat aggaagagca ggagcatgcc ggcataaaaa ttggagcct ttttttcagt 180
 gtgtc 185

<210> 26574
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G12

<400> 26574

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 taatatccgg agcatgtact gcacttcttc aatcgttgta tctatttata agttgtaatg 120
 ttacttgaaa acagtgacaa ggtaattatt tacctgtcta agcagttgct gaatcaataa 180
 ggaaaaaaca caacacatca tgataataat gaggcaatgc aaatacgact tttgtattgc 240
 ttgatctagc tagggtttgt tactgcttga tctagccagg ataagaatgc caaaacgatc 300
 ccttaaattc aaaggcccca acgactgaat gaaagcagat ccaaaaaaat gctcaaaaaa 360
 aagagcagtt ccacaaatgt tccttcccct acctatggtg acctt 405

<210> 26575
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E8

<400> 26575

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cttccataca cgcgcaagca tgggtgccagt gccacgttcc ggcaggtcac atgggttgga 120
agccggacgg acggggtagg gcgtccggtg ctagtagcct ctgacgaaag agacggaagg 180
ctgctttcgt gacattctat tctatttggg ggggtctaata cgcgcgtctc tctgcagttt 240
tcttggtgcg tgtagcggtg gtgcagcagc agtactacgt taaaaaaaaa gaaaccgcgt 300
ggtgcatagt ggagcacggg gtttcgagaa aagaaagacg accggggccac agggaaaaac 360
gcccagagaa gcctcaaaaa aggcacccta ctaccttggg ggtggtggca gtggtaggaa 420
cagtagacga cagcacgct 439

<210> 26576

<211> 191

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D2

<400> 26576

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gtgtgaacta actacatgag acgacaaggt gcaagagaca tgtctggggc atcatttgta 120
tggctttaat ttttgttatt atatatagat aaggaaatat cttccttaaa aatggagtac 180
aagggtattgt t 191

<210> 26577

<211> 427

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D3

<400> 26577

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tcgaataaga cggctctcat cgtcgcggcg atgcttctca tcacgctcgt gctggaggcc 120
gccccctccg cgaccgccat ggactgcaag gccgggtgtg acgaggtcac gggccactc 180

cacatgagca tggaggactg catgaagagg tgcaaggaga tcgctgctaa gcaggggcct 240
 agggaccctt acaaggataa caaacttgac atcccatgaa ctaattaatg ctccatatatc 300
 atctgcctat ccatgcatgc attgcattgc gtatgcacac tgtgcgtgcc tgcccacaaa 360
 gttcgacaac acaccgatct cgacggattt gtaatcgtgt ccactcgatc gagagatcga 420
 tcgatgc 427

<210> 26578
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D4

<400> 26578

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 ccgctacgcg tccgctgagg atctgcacca gatggacagc gaccaggaag agggtgctga 120
 ggggtggcgat gacggtgaca gcagttgccc acacgccatc gacatgcaag cggaggagtt 180
 catcaccaag ttctatgagc agttcaagtc agaatcgttc aacggccgtg cctccgagtg 240
 atccattgat ccatccgctt gcggcatgta tgtaatacgt ctgatcttac gccgaaattg 300
 cattcgcgtc agatacgact ctagccaata tggatcagga agaaatgtat cagtgatcgc 360
 attgataaac acagtgtgtc tgaactataa actattgtgt gacatcattc tattcttcaa 420
 caaactaaa 429

<210> 26579
 <211> 412
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D5

<400> 26579

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 catccagaga tccaccagaa aagcaggcac ctatgtgcac tgtacattcg tttcctcaca 120
 acattgatca ctgcctgaca tgggctagat ctgagtttga aggtctacct gagaagactc 180
 ccactgaagt aaacgctttc ctgtcgaacc ctggtggata tgcaacggca gcaagaactg 240

ctggtgatgc acaggctagg gaccaacttg agcgagttat tgaatgcctt gagacagaca 300
 tgtgtgagac atatcaagat tgcattacct gggcccggct gaagtttgag gattatttct 360
 tcaaccgtgt aaagcatctg acattcaatt tttctgaaga tgcattaact ag 412

<210> 26580
 <211> 184
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D6

<400> 26580

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 ggtcgccacc gtcacccgct ccggcaagaa ggccggcgac aacttcacgg tcccgggtgga 120
 ggcttccttg ccacgtccgg caagtcggtc aagttcctgt gcgcgctcac cctatacaag 180
 gagt 184

<210> 26581
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D7

<400> 26581

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 gttactcctg cccaacttgt cggagaccgc tcgtattgtc atctgaaggg caaacaaggt 120
 ctccgattgt ggaggcagca aatgttcagc gaatcgaga acagcttact atggggatga 180
 atcagcagag agtttctggt aatgaacatc ctgttgaaca gcagaaccct tcagatgctg 240
 tttggagggg tgctggtctg gatgctagct ggattccacc gtggtcaagc cctgtgatag 300
 ataatcccag ttcctctagt gcagtgaggt cagtaggtct ttctggagtt cagatgatga 360
 tgaggcagtt ggcttctgtg accgacagtt atgggcatgc tgatg 405

<210> 26582
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D8

<400> 26582

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ccgcgtgaag cttcttcttg catccgagtg cggattcacc tccaatctgc ccctcggggc 120
gccggcgccg atggagaagg tgaagaacat gctcaagccg cggccgacgc cgcagcagca 180
gctgcgcgag tggcagcgcc gcctccgcaa cgagtgccgc gtctctgacc gtcagatccg 240
agatgtgcag agggaggaga agaacgtgga gaaagccatc agggaggctg ccaagcgcaa 300
tgacatggga tctgcaaagg ctcttgctaa ggaacttgta agatcaagac gtgctgttaa 360
tcgtctttat gagaacaagg ctcaactaaa ttcagtatca atgcaccttg gagaaattgt 420
cgcaactgca agaacagtgg 440

<210> 26583

<211> 413

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D9

<400> 26583

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gggacattca cagggggggac aggaaatcat ctgccttggc ctcgattccg gctactacct 120
tcgccgtcat cttatccgtt ctattctgtg ccgcgggtgg caccgtcgtc tacaacgacc 180
ttcccgacta cgatcatccat ggccgagtct actgcgacac ctgccgcgcc cggttcgaga 240
ccaatgtcac cgagtacatc tcggacgcca aggcgaggct ggagtgctag ctcttcttca 300
ccggcaagct cgagcgctcc atcgacagtg tgaccgacgc gatccgcacg tactctatcg 360
tgctcaacga cagggacgat gatgacatct accaagtggc cctgggtggaa agc 413

<210> 26584

<211> 245

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E1

<400> 26584

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gccaaaacca aatcccgccg agcccgaaat tttcggcggt gttccttgcc gcgaatcgat 120
ggatttcgag cgattcgact ccttggggat ctctcgcggt ggtaaagcgc ggtcgaccgt 180
cggccatgtc aagggtgctt ccctaccgc caccggggta cgtgcggaac ccattggccg 240
tggcc 245

<210> 26585
<211> 434
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E10

<400> 26585
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tgtcctcgaa cgccagggtc cttggaccac tatatccagg agcgacgaag tgatccaccc 120
gccagccatg gagatgaaga aggtcctctg cgccgccctc gtcgcccgcg cctcggccac 180
cgccgtgctg gctcgggtcg cctccgaggc gccctccgag gcgcccgcg gcgcggtcgg 240
aggtgcggtt ggccctagcg caagctgcgc cgccgccgcc gccgtgcccg acgcccggggc 300
gtcgtcggtc tacttctctg cctactacct ccaactgagcg acgacgcgcg gggcggcaac 360
gttgggatgc atcgtgtttg gttcatccga ttaattaatc gttngtttta ttgacgtggt 420
ttgcgattgg ttaa 434

<210> 26586
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E11

<400> 26586
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ggtccccag cgacgcaagc aggcgcgcgc gcggccatga aggggggagg tgccatgagg 120
ccgtcgcccta tggtctacgt ccacgaggcg gacgtcgtcc agatccacca ctctctcgag 180
gagtgtccc tctgcgcaa atcgtctctc ggcgacatct tcatgtacag gggtgacacg 240

ccgttctgca gcgaggagtg cagggagcag cagatcgagg tggacagggc gaagcaccgg 300
cggaagaagc gcgcggcgcc gcacgcgctg tccgcacgca gcagggagca ccggcaccag 360
cagcagctgc agcagcacca ccaccagcag cagcaaccgc agccgcggaa tgccggcatg 420
gacaccc 427

<210> 26587
<211> 426
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-E12
<400> 26587

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catggggagc tcgaggacca tcggttcgct cccctgctc ctactcgccc tgctcctcct 180
ggctttcgcg gccaccgccc agggcccgct tgtcccgag ctgtttgccg aggaccaatt 240
ccagcggaca tgcaaccagg tgcattcac gaagatgtgc cagagcttga cgaggctccc 300
gagggtgaca acgcccgcgc aactgctgct agcgtcgatg cgcgtcgccg cggagaaggc 360
cagggaggcc aagagccggg tggacgagtt cgcggcgagg aaccacgagg gccggccgat 420
agagtc 426

<210> 26588
<211> 345
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-035-Q1-K1-E2
<400> 26588

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agggatctaa tctataacgg acgagcgaat gtgctggaaa atctcatgca tcgaatagga 120
tatactccat cgaatcttct caataatgat gtgtccatca tcctgaggcc gctatgcatg 180
tcagatattc atgaagcaaa taactatgtg gatccatgct ttatcaagtt caatttgaaa 240
cgatgcgaat gcagattgac actttacaac ttgagaaata aactaatggc agatctaattg 300

ttataataca ttgtaaactc taaaattctt gtgtctgaaa ttttt

345

<210> 26589
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E3

<400> 26589

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ggcgggtgga gtaccactgc tgctcggcgg cctntttcga gcacatcgtc atcatcatcg 120
tgctcgtgct cttcgcgggc ctcatgtcgg gcctcaccct gggcctcatg tccctcagcc 180
tcgtcgatct cgaggtcctc gccaaagtacg gcaccgagca agatcgcaag cacgcagcta 240
agattttacc tgttgtgaag aaccagcacc ttctgctatg cactcttcta atctgcaatg 300
cggctgcaat ggaggctttg cccatattcc ttgatagctt ggtgacagct tggggtgcta 360
ttttaatatc agtgacactg attctgcttt ttggtgggat cttaccacag ttcattctgt 420
cacattat 428

<210> 26590
<211> 66
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-E4

<400> 26590

cccacgcgtc cgaaaaaaaa aaaaaaatTTt tattaaaaaa aaaaaaaaaa aaaaaaaagg 60
ggaagt 66

<210> 26591
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E6

<400> 26591

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ccaaggcaat ccgccgccga cgtaccacca ccaccgcagg agcgagatgg agatgaagag 180
gatcctcttc gcggtcctcg tcgtcatcgc cgcctcggcc accgcagtgc tggcctccac 240
cgaggccgcc gccgcgggcg ccccaactgc ctccgagtcg tccgccgagg ctcccgctgg 300
cgctggcgct ggcgctgccg ctggcgccgn cgnctcgggg ccctccgcca gcagcggcgc 360
gcccgcctc gccgcgcgc ccgccgcgt cctcttctcc ctctcgcct actacnca 420
ctaagcgtgt gcgtgcg 437

<210> 26592
<211> 433
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-E7

<400> 26592

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gcgacctcac cgactacctc atgaagatcc tgactgaacg cggctactcc ttcaccacca 180
ctgctgagcg ggaaattgtc agggacatga aggagaagct cgcctacatt gccctggact 240
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ctgacggaca ggtcatcacc attggtgctg agcgcttccg ctgccctgag gtcctcttcc 360
agccatcctt cattgggatg gaagctgctg gtatccacga gaccacctac aactncatca 420
tgaagtgcga cgt 433

<210> 26593
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D12

<400> 26593

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 gtgccgagag gcggaccgga gcctggtgga ggcggtgctg gaggtggcca agaaggagta 180
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 gccgcagagg accagccgcg acgcgcacgg gccagcctgc tccggcggcg tatgtgctcg 300
 cgtcccatga cggcaagatc gtctgcgaca acactctgga ctccaggctc aacgtctact 360
 gcaggcgtaa gcttcatgag atcatgatga aactctgcag ctagcgagta tcgtgctaata 420

<210> 26594
 <211> 127
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B6

<400> 26594

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 atgaggt 127

<210> 26595
 <211> 409
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-B7

<400> 26595

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 ctggctacga cggcgcaag gcggacatct ggtcatgtgg cgtgatcctc ttcgtgctcc 120
 tggcaggcta cctcccgctc aacgacacca acctgatact ggtgtaccgg aagatcacac 180
 agagcaacta caagtgccca ccgtggttct ctgtcgaggc gcgcaagctc ctgccaggc 240
 tgctagacct caacccagg actaggatct ccatctcaaa ggtcacggca aatccctggt 300
 tccagaaagg actctgcct ctcaccaccg acaagccct cgacttgtgg gagacctccg 360
 aggtgctcgg caaggaaaaa gcctgcaggt gccgncacca ccagcgca 409

<210> 26596
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B8

<400> 26596

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gagttaggcc tgagagaaga cactcaccct atgggaggtt ttcccctgaa agagatatca 120
ggcgtcgttc atttcgtgat aagagacaga gagcaagttc tgaagatagg ggatctagtc 180
attcaagatc acctattagg aagagtgaga gaaaacatag caaaagtcct gatggtggaa 240
aaaccgattc atccgtaagt tttagaagtt cagataacga agacaaagga aaagatgaaa 300
gggtacttaag cagtgatgag aaaaatggcc gtgaagaaca attgaaacaa atgcatctgg 360
acatggaagc attgctgtaa gataaatcat agctggaggc gatattggag aagaagactg 420
atgaagagcg caaactttg 439

<210> 26597
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-B9

<400> 26597

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gaggcgtcgg tctaataata attacatcgg ttggttttga gatgatccaa agaagaaaga 180
aaatacaaac cagcggatta tatattcgga ggagacttga gagtacgtga gaaagagaga 240
ggttacgaag agtgattata tatataatat atgcatgtta gtcaattggt tcagatgcag 300
gcgagctcct ttgccaagcc gatggacttg ccgatggcgt tcttgcagac tgccatggtc 360
ttgttgccgg atccattgta cttgatgtcg acgttgacga gctgcacgcc ctggcatggc 420
atgttgttgg cgcagttgaa cgtgatggcc ttcggcgtg 459

<210> 26598
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C1

<400> 26598

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caacttcacg taccactggc agcccaagga ccagatcggc agcttcttct actaccccag 120
caccggcatg cagcggggcgg cgggcgccta cgggctgatc agcgtacaca gccgtgacct 180
gatcccggtc cccttcgaca cgccggccga cgacttcccg gagctcgtgg gcgactggta 240
caccaaggac cacgccgtgc tggccaagaa cctggacgcc ggcaagggga tcgggcggcc 300
ggcggagctg gtgatcaacg gcaagaacga gaaggacgcy tcgaaccga ccatgtacaa 360
cgtggaggcc ggcaagacgt accggtttcg ggtgtgcaac gtgggca 407

<210> 26599
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C12

<400> 26599

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gcgtctatga tggccatggc ggcccggaga cgtcccgggt catcaatgac cacctcttca 180
accatctcag aaggtttgca actgatcaca tgtttatgtc agcggacgtg atccggaaag 240
ctttccaagc aactgaggag ggctatcttt ctctagtcag caaggaatgg tctttgaagc 300
ctcagatcgc ttcagtgggc tcctgctgcc ttgttggcgt aatctgtgct gggactctct 360
atgttgcata cgtgggcaac tcacgtgcag ttctaggaag gctagttaag gcatctggag 420
aggctgtggc catgc 435

<210> 26600
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-035-Q1-K1-C2

<400> 26600

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agatggagac tgccaagacc agctcttctg ttgagaagag ctacgagctg cctgacggac 180
aggatcatcac cattggtgct gagegcttcc gctgccctga ggtcctcttc cagccatcct 240
tcattgggat ggaagctgct ggtatccacg agaccaccta caactccatc atgaagtgcg 300
acgtggatat taggaaggat ctgtatggca acatcgtcct ctccggtggt accactatgt 360
tccttgatc tgctgacagg atgagcaagg aaatcaccgn cctggctcct agcagcatga 420
agatc 425

<210> 26601
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C3

<400> 26601

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gcctcgagac ctccccccct cgctggtctc agccatggtg aaatattcga cggagccgtc 120
caacccccacc aagtccgcta aggccatggg ccgtgaccta cgtgttcact tcaagaacac 180
acgtgagaca gcttttgccc ttaggaagtt gtcactcacc aaggccaaaa gttaccttga 240
ggatgtgatc gccacaagc aggccatccc gttccgcagg tattgtggtg gtgttgggcg 300
cactgctcag gctaagtctc gccactcaaa tggtcaggga cgctggcctg tcaagtctgc 360
taaattcatt ctagaccttc tcaagaatgc agagagcaat gctg 404

<210> 26602
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C4

<400> 26602

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cttgcgagaa cgccagtgtg accgacccga cgaagggaac agcgcaggtc acgcacagcc 120
agatgatcca tgggtgctact gctaactaca ctgatgctgc agacctgaag tggcgctctt 180
gccggacaac tgacgacctg catatgcaga actgttttcg ttatcgtgct gtttcatgga 240
gcctgcgctg gtctgaatcc tctgcagca ctggcaccat ctcatactct gaccggctctt 300
cctcctccag ttatacgtcc accacaaggc tctccactg cttagggttct tggacgacaa 360
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<210> 26603

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C5

<400> 26603

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caattcctct ggaatatagc gaagaatgca gctgggctcc catctttgtg aggcagtcaa 120
atttcaagtt acctgctgat ccgtccactc ctattatcat gattggctct gggacagggc 180
tggctccttt tagaggcttc ttgcaggaaa ggtagcatt gaaacaatct ggggcagaat 240
tgggcacttc aatccttttc tttggatgca ggaaccgtaa tatggactac atatatgaag 300
atgagttgca aactttcctt gaggaggggg cgctttctga gctaattgtt gcattctctc 360
gggaagggcc aacgaaagaa tatgtgcagc ataagatggt ggaaaaggcc acagatatct 420
ggaacatca 429

<210> 26604

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C6

<400> 26604

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agaaagagag acggaacgaa agaaagtcgc acatcgcttg atgatgcatt gttcaagagc 120
 tcactacatt aatgcgctga catgtatggg gcttctgctg gacaaatggg agcaagatat 180
 cctgacatgt ttctggttct cctgctgctt catggagcca gtgctgcttt gaatcctcca 240
 acagcacggc caaaatggca tactctgagc ggtcttctc ctcaagtcac acctcgagga 300
 cgattctctg cgaccgcata ggcttctgta agacaaggct gacccttgat aactcgacga 360
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 tactat 426

<210> 26605
 <211> 166
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C7

<400> 26605

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 gcagacagaa tgactgcatt ttcctgacct gaataatacg ttgattgtgc gtagtaaagc 120
 tgtgacatcc atcgttgaac agtaccgatc agacaaccgg acagga 166

<210> 26606
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-C9

<400> 26606

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 gagggcgctc cgagggtggc gcgcatgggg ctgcgccggg acgggtcggc ggacaccgcc 180
 cacctcagta ataataaaaa tgggcgggtc atttatggag ttgagagttc tcttggtaaa 240
 agagcatcga tggaggactt ctatgaggca agaataagacg acgttgatgg agagaaaatt 300
 ggaatgttcg gtgtatatga tggatcatga ggagtcagag cagctgagta tgtaagcag 360
 caccttttca gcaatttaac caaacaccca aagttcatca ctgataccaa ggctgctatc 420

<210> 26607

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D1

<400> 26607

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gaaattctca aaagcgaaat caatttcttc ctctcagttt tttggtgatc aggccagttt 120

tgaaaaggac gctcaagtct ctctccaaaa gttttctggt tcctctgcga tatcaagtgc 180

tgacctatth ggccatccgg caaacaattc tagcgtggat ctcaagtgtt cagatttgat 240

caacagaatc tcgttccagg ccactcagga tctgtcttct atcaagaaca tggcagggga 300

aaccgggaaa aagttgacat cgatggcatc caacatcatc actgatcttc aggaccgtat 360

cctctgagct ttaaactcac agtaaacttc tgcgttggtt cagtggctgg cttctcccg 420

cgacccgggt gac 433

<210> 26608

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-D10

<400> 26608

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aaccgggggg agtctccaga agttcgctcg gcggcatcgc tttcttggtg agcatggtgc 120

atgtcaagat ccactcattg tttcaggtgc actctttcct cagtgtaca ttctacctga 180

gatgtatcaa gattcgctac acaatthttt tcttcccaac tggacagatt ggcaaccttg 240

cagatactcg taatcggact ctgcatggtg tttgaagggt tcacagctgt ttcattggggc 300

atcaagcccg ccgttatgcc agataaccaa cacgaacagt tttgactctt taatcattca 360

tttctggtga gaatgcaccg caaatct 387

<210> 26609

<211> 393
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-D11

 <400> 26609

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 tatacaatct gcatgtggggg aagtcctca tatctgcttc gggcagagct atgcatacaa 120
 gtggtggacg cctgctggta aattgtttat caagatcgct cgagcatata aatttactcc 180
 tattatcttc taggatagat ttggcacacc attcccccttc ccaaaacca tgcattgtgat 240
 cttgggtaaa ccaatcgaag tcaataagat tccccatact acaatcgacg agacaattgc 300
 aacagtatgc atgttcttgg cgggaaaagt tgaacaaaca cccaaacctc tgaaagatgt 360
 cataacttctt tcatatgaga tcatccacaa aaa 393

<210> 26610
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-035-Q1-K1-B5

 <400> 26610

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 cgccgccgca ggaagagcag ccgcagctgg agccccccgt gtcggccttc atggagatga 120
 cgacggagga ggagcggcgg agggggcgacg ccgggtgctg ctgctgcggc tgctgctggt 180
 tcgattactc ttggtgctgc cgggtgcccggt ggtggcgatg cggctgttgc atctgctcct 240
 gccccagctt ctgccggtgc ggctgggtgca catgagagat ccaggagttag gcgggagatc 300
 acttgttgcc cggaacttca tttggtctca cgagaacgag atccgcgctc gcgcacctn 360
 ctgcttgtgt tttcggagga ttattcggca gacagggttt ggcgttggca tgtgcacgtc 420
 agctgacac 429

<210> 26611
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-A7

<400> 26611

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cggcgggctga ttcctatctc atattctcag agcagtaaac taccagcagt aaaataacaa 120
aggtagcagg tagtacaagg cgaaggcgaa gggaatctg gaacgagctc gtgcaccgcc 180
tcgagccctc gactactcgc cacgtgtcgc gagcaggccc accaggacct ggggtggagcc 240
gggtgcaggag acgagggcaa gatgcggagt accagtgtc ctgctcggct ctccattaaa 300
aagcagtaaa aaaaatcggg taccagaggt ccagaacaag tcgtacactc gtactacagt 360
ctacagtcacat ggccgcgcaca gcaaacggcg cgggtcgcca cattatctga tccccgcccc 420
gggtctcggca c 431

<210> 26612

<211> 325

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-B8

<400> 26612

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gcacgtgttc tgggaccggt accaaccggc ccagcgcgcg tgcaacctta cggcccgtgc 120
gttctacgac gggccggcca agtacacgac gcccatcaac ttcatagaagc tggcccaggc 180
cagttaatgg tttctgtatg gctgtccacg aatacttact agccacgaat acctgtgaaa 240
acagcaaaac aaaaaatggg caccgttggc cattatacat ggaaacttgt taatttaaaa 300
aatagaatgt ttctatctgt ttaat 325

<210> 26613

<211> 434

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-D6

<400> 26613

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ctccccctg gcttgcaggg tggggcacga acgaggcgct catcatctcc atcctcggcc 120
accgcgacgc cgcgcagcgc cgcgccatcc gccgcgctta cgccgaggcc tacggcgagg 180
agctcctccg ctccatcacg gacgagatct ccggcgactt cgagagggcc gtgatcctgt 240
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agccccggaa ccgtgtgctc gtcgagatcg cctggacgcg caactgcggg cagatcttcg 360
cgaccaggca ggcttatcac gagcggttca agcgctcgct tgaagaagac atcgggtgcg 420
atgtcactgg ggac 434

<210> 26614
<211> 406
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-E12

<400> 26614

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cgttctgcat gcagatcacg ctctagccaa gtgtggctat acaactcctt taattccatt 120
ctgcaaagcg tggatgtgca aggcggagtg ttggacggag gctaagttaa ctggaggcaa 180
agtcacgcaa cagaagtgca tgagaggtgg gatcaagggc tgggtgttact gcgaattctg 240
catttaattt tgcaaaggag aaggatcacc atttctttgc ttggtcttgc cttggtcaat 300
aacttagtgt aataatgcta gttaagtctc taggcagact aggctagatc gagttgtttg 360
ttgctggtag ctaggcattg ctagcgtctg ctattggttt aagata 406

<210> 26615
<211> 279
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-F6

<400> 26615

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tggtcgaatg aatgggggtg tcgggctatg ctcgtttgac gtcctgatcg aatcaaacc 120
tttcaccgtt ggttgctca tgccgtggtc tgggaagtcg atgactggtc atcatggcag 180

gaggccccga ccgaccgtgc aatcgtgtgc ctacgctttg gctgtgcgcc aatgaaatca 240
cggaatcttt ggatccaatt cggcatcaca gtagaccag 279

<210> 26616
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G1

<400> 26616

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cgagacaaaa ttaacgcac tctacaggaa ataacgatgt gagatgggtca aagcaaaaca 120
aacttaactc atcagttatt gtcgcgcgag agcgcgctcg cgggcatggg catgcgaacg 180
ttagcagcgg cgacaaacga tgcgagggcc caaaacgccc ggctctctgt tgtcgtcctg 240
ggagaaggag atcgatcaga tcatgttga gagcgagcgg cagttctcgg acatctcgac 300
gagcgacgcg tcgaactgct ccatgggggt cttttcgcca atctgcctga actgctcgtc 360
gcagttctgc atgttctgcg ccgtcatgcc catgggt 397

<210> 26617
<211> 275
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-G8

<400> 26617

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gagagacctc agccctcagg caagccgacc gccgacgtac caccgcgcca acccgagaga 120
aagatggaga tgatcaagag gatcctcatc ggcgcgctcc tgggactcgc cggctcggcc 180
accgaagtgc tggcctacac cgaggccgcc gtcgtcggtta caccagccgc atccgagtat 240
acacggtcag tcgaagccgc cgctggcgcc gcctg 275

<210> 26618
<211> 195
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H10

<400> 26618

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tctcgattca gaatcctgat ettgaatttc tgttgtgcat cgaaatttat cctgaacagt 120
acacactgta attctgaagt acaggcaagc gagtggctaa atgtatctga tacttgaaag 180
cagagaagac tgaac 195

<210> 26619

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H3

<400> 26619

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cgaccatggc gttgctcccg cgcaccgcgc ggctggccct cctttccacc ccgcgggcgt 120
actccgctgc cgtgctgctg ggcgcctccc cgacgtcccc agcgccatac gggggcgccc 180
ccccaccggc gatgtcgaag acggccgagt tcgtggcttc taagggtggac gacctgatga 240
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agatgatgca cgccggcgcg tcccgcctacg acttcgaccg gttcggcgctc atcttccgctc 360
cgtcgccgcg ccagtccgat tgcattgatcg tcgccggcac gctcaccaac aagatggctc 420
cggccctccg caaggtttat gaccaaagtc ctgagcct 458

<210> 26620

<211> 229

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-001-Q1-K1-H5

<400> 26620

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gttggcctga gtcgagttgt cacagtctgt atctatcgct cctgaaacct gaggggcctg 120
tattgtttgt caagcacttt gtttcttctc ttctgtttgt agcctactat atccactgaa 180

atctaagggg cctgtattgt ttgtcaaaaa taaaacctac taaaacact

229

<210> 26621
<211> 418
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-002-Q1-K1-D12

<400> 26621

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caaggagggc atccccccag accagcagcg gctcatcttc gctggcaaac agcttgagga 120
cgggcgacg cttgtgact acaacatcca gaaggagagc accctccacc ttgtgctccg 180
cctcagggga ggcatgcaga tctttgtgaa aacctgacc ggcaagacta tcaccctcga 240
gggtggagtcc tctgacacca ttgacaacgt caaggccaag atccaggaca aggagggcat 300
ccctccagac cagcagcggc tcattcttgc tgggaagcag cttgaggacg ggcgacgct 360
tgccgactac aacatccaga aggagagcac cctncacttg gtgctgcgcc tcagggga 418

<210> 26622
<211> 168
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-E5

<400> 26622

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cgttctgcat gcagatcacg ctctagccaa gtgtggctat acaactcctt taattccatt 120
ctgcatagcg tggatgtgca aggcggagtg ttggacggaa gctaagtt 168

<210> 26623
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-002-Q1-K1-G12

<400> 26623

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caacaaggca acaacaatct gttccggccg ccaaacaaaa ccaaaaaaaaa aacacactga 120
accaataat ccgatccac agaaactttt ctctcggtcc gttcgatcga tcgctgccgt 180
gtcgtttgcc agacaccatc agcacccaaa accatggcct gcaacctggc tcagtgcgcc 240
accgccgccg cggcgaccgt cgcgccccgc acccctcgcc ctgctgcgtc cgcgtccgtc 300
tccttctccg cgaggaagcc ggcgggcggc agcctgcggc tgcagcggca ggcgtgctgc 360
gagccgtc 368

<210> 26624
<211> 96
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-C10
<400> 26624

gacgcctgat gaggctacta gcaaacaaca ccatgtgttc ggattgtcat tggttattga 60
tgtcttgtga atgaataata taaatttttt ttggtc 96

<210> 26625
<211> 377
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-003-Q1-K1-E9
<400> 26625

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gctggtcgcc atgctagcgg tggccgccga tgctgccaac gccggccacg ccaagcccct 120
gacgcctggc gggcgcgctg tacacgacaa ccacggcaag ttcacggccg ggccgtggaa 180
accagcccac gcgaccttct acggcgggcg ggacgggtcc ggcaccacg cgggcgcgtg 240
cgggtacaag gacacgcgcg cgcaggggta cggcgtgcaa acggtggccg tgagcacggt 300
gttgtttgcc gacggcgccg cctgcggcgg gtgctaccaa gtgcagtgcc tggacagccc 360
caacgggtgc aagcccg 377

<210> 26626

<211> 238
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-003-Q1-K1-G2

 <400> 26626

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 tgggtttgcgt ttcattcaaa cttagaatgc ttcttaattt cttttcgttg cattgaaaat 180
 atccagcggg ttattggtgt ttgggctaataaatagataa actgttcacc tatgggttc 238

<210> 26627
 <211> 428
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-004-Q1-K1-B4

 <400> 26627

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 gagagcaggt ggtttaagaa agggttccgg ccggtcaggt tctacgtcga ggatgaccaa 120
 gtgcacagct tggcagacag tgaggctgag gcgctggaag aactggggcc cagtgcagct 180
 gagccttcac cccacctcc ccctcccccg ccaccaccac caccacagaa agaggacgac 240
 ggcgatgatt ctggctggga gtcagactcc tccgtagcgt cctgcccagc cacattgtca 300
 tcagaggaga ggagacggcc tgtcggatct cttccacggc cggtaagtct aaacgcgttc 360
 gatatcatct cgttctcaag gggattcaat ctgtcggggg tgttcgagga gcgaggcaat 420
 gaagtgag 428

<210> 26628
 <211> 338
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-004-Q1-K1-D5

 <400> 26628

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accattgtgc cattgttgct gtgagagaga tgtgcgtcag ccaacatgtg tgctattgct 120
 ttggcttatt tgtgttcaga atccacttaa actcgggcga agtgagcttt ccgttcggca 180
 acgtctgtac tcttacgaat ctcgatcgtg tatgtcttta agtatttgtgt tgtgtttcaa 240
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 gatagtctaa agtctcagaa ttgtaccatg canaaaaa 338

<210> 26629
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-004-Q1-K1-D7

<400> 26629
 cccacgcgtc cgtatggcta gttcgtggat ggcggcgcca cgacctctcc tgttgctcgt 60
 gctggtcgcc atgctagcgg tggccgccga tgtcgccaac gccggccacg ccaagcccct 120
 gacgcctggc gggcgcgctg tacacgacaa ccacggcaag ttcacggccg ggccgtggaa 180
 accagcccac gcgaccttct acggcgggcg ggacgggtcc ggcaccacg cgggcgcgtg 240
 cgggtacaag gacacgcgcg cgcaggggta cggcgtgcag acggtggccg tgagcacggt 300
 gttgtttggc gacggcgcg cctgcggcgg gtgctacgag gtgcggtgcg tggacagccc 360
 cagcgggtgc aagcccgcg cggcggcgt ggtggtgacg gcgaccgacc tgtgccacc 420
 c 421

<210> 26630
 <211> 443
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-A7

<400> 26630
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 ttcaccggca cgcaggacaa gtgcacggcg tgcgacaaga ccgtccactt catcgacctc 120
 ctacggccg acggcgccat ctaccataag acatgcttca agtgcagcca ctgcaaaggg 180
 gtccctctga tgtgcagcta ctctccatg gacggtgtgc tgtactgcaa gaccacttc 240

gagcagctct tcaaggagac cgggagcttc tccaagaact tcacgccagg tggcaagtca 300
 tcagacaagg gtgaactgac aaggggccca agcaagctgt cgtctgcatt ttctggtacc 360
 caggataagt gcgcagcatg ccagaaaaca gtgtacccgc tggagaagtt tactctggaa 420
 agccagtcct accacaagag ctg 443

<210> 26631
 <211> 408
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-005-Q1-K1-B2

<400> 26631

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 ggccatgacc agtgtgatgt gctgctctat atatgggcca tgatctgtgg tcaccagagt 120
 gtttgttcac agatttgaaa aacaacaagc aaaacaaaa cacacatgca gcggacgcgt 180
 gggctgtcag cataagagac gaaacgtccg tgcgctatgt gccgctcact agcaaggacg 240
 cccagttgca cgcaagctga gtgatctatc atgtcaaaaa aaaaagtat cctcacctga 300
 caaggtgagg cattcaatcg aatcgctacc cttgtaaatg tattaatcct actgtctcag 360
 taaatgcgct ggcttggaat taatgtaaat gatggaacat caaanaaa 408

<210> 26632
 <211> 145
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-E4

<400> 26632

tgataacatg catcatgcat gcatattcat tctttcgctc atgcattccg atatggtgcc 60
 ggagttaaaa aaatgtaaat caatgtgcaa actcaaatga catcttaacc agttgtgatc 120
 aatctcaacc gctaattgcat tgcac 145

<210> 26633
 <211> 438
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-005-Q1-K1-G6

<400> 26633

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cgggttcggct tcgagatcaa ggaggtgggc atgaccagcc gctacgcgtc cgctgaggat 120
ctgcaccaga tggacagcga ccaggaagag ggtgctgagg gtggcgatga cggtgacagc 180
agttgcccac acgccatcga catgcaggcg gaggagttca tcaccaagtt ctatgagcag 240
ttcaagtcag aatcgttcaa cgcccggtgcc ttcgagtgat ccattgatcc atccgcttgc 300
ggcatgtatg taatcgttct gatcttacac cgaaattgca ttcgtgtcag agacgactct 360
acccaatatg gatcaggaag aaatgtatca gtgatcgcat cgataaaaaa aaaanaacan 420
nnnaaaaaaa aaaagaaa 438

<210> 26634

<211> 454

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H2

<400> 26634

cccacgcgtt ctcggacacc ttaactaact tttaataaat agttcgtgaa tccctgaagc 60
gggcatatat atattcgtgc caagataaag gtaatggagt cgtcacgcag gttccagccg 120
gccgtcatcc tgcttctcct gtcattgtg tccaccgata tgacacaggc aagggaatgc 180
tagaagtaca gtgagcgatt tgttggcgca tgcattgatc cagacaactg cgccaatgtg 240
tgccgctgtg agggcttatt ggccggcagg tgcaacacct tacgccgacg ctgcatctgc 300
actatgcagt gctaaacaag atcgctcgat cgctcgccat gcatcgacaa cctattctta 360
atacacgtca ttatctcgta cttatttatg acgaatgtca tgtatggctc tggtgactgt 420
catctatatt ctaatgactg tcatgtatct tggt 454

<210> 26635

<211> 56

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-005-Q1-K1-H4

<400> 26635

gtgggaaaaa aaaaaaaaaa aaattaaaaa aaaaaaaaaa aaaaaaaaaa aaagag 56

<210> 26636

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E5

<400> 26636

atcttttttt taatcaaggc ttataaata aaaaaataga atagtacacc ataacaacat 60

acaacagctt tgcctcgatc gagagcatgc atgaatcaca ggcgtcgtcg aatcaaaaga 120

aaggaagaaa caaatgatg tgtggggtgg gggtttggtg catggccgtc gctgttaaaa 180

ttcgacacag gacagttgctg taaatagacc tagcgtaatc agctgcacaa acgaatgaga 240

gagcgagcga gggaagcaaa atctgggtga ggagatgaat agatgatgac aggagcgcaa 300

cgcggcctgg cagactgggc ctatgcagta tggacctggt tc 342

<210> 26637

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-006-Q1-K1-E8

<400> 26637

gcctgtggag cgtcagcgct gcgctcatca acggcgctct tggtagcaag tgcagacctc 60

aaaatgcaac gtcatcgaag ttggatatct acatagagga catccagaaa gggaaacatg 120

gaagcgattc agggtcatac gacgccgaag gaaggtttgt tcctgacaag ttcgaagaga 180

tattcgccaa gcacgccaa actgtccccg acgccttgac gtcggacgag atcgaccagc 240

tgctgcaggc gaacagagag cccggggact acagcggatg ggctggcgca gaagcggagt 300

ggaagaccct ttac 314

<210> 26638

<211> 401

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-E9
 <400> 26638
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 ggagccggaa cccaccatc atcagccagg gcaaccgctt ccgcgccgtc gacgacagca 120
 ggttcaagga ggtgaccaag cgggagtaca cgcagtagag cgagtacaag aactgggtgt 180
 ggaagtgcga ggacgacctg ttcctcaacg gcgccttctt caaccagtcc ggcgccaga 240
 acgagcgcaa gtacgacagg ctgcacctca tccaggccaa gggcgccag tacgccagt 300
 cgctcaccag gtacgccggc gcgctcaact gccgcgtcgg caggaagtgc tagtgctgt 360
 gcagctctaa gctgcagctt tcatcattgg cgatcgatcg t 401

<210> 26639
 <211> 406
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-F8
 <400> 26639
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 aagatccatc ctaattcaga catctcaact agatgcaaac ttttttgggg aaaccgaaca 120
 attggtttta ttcctctgag ctctttgaa catattgcaa tgtatctcct ttgaacagtt 180
 gttccttttt attcctttga ggagctaagt acccttttat tcctttgttt atgtttatgt 240
 tgtaagtata ttgaaatat gatttggtgt ggagatattt attaacttat ctattgtttt 300
 atcttccagg cccaacgatt gtggttcagc tctgtttatc aactcccttt cgagaagaga 360
 tggccaccgg caggaacaac ttatcgacat tagtggccat gggaca 406

<210> 26640
 <211> 60
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-006-Q1-K1-H4
 <400> 26640

cggacgcgtg ggaaaaaaaa aaaaaaataa aaataaaaaa aatatcataa gttcaaaaga 60

<210> 26641
<211> 350
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-007-Q1-K1-C12

<400> 26641

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gcagctgcag tgggtgaact tccctcctgg tctgtctcct gctgctgcaa caaccaggtg 120
acctgatcga tggtagctgc tgttcctgtc gccattgcct cctgctggca ggaacaggaa 180
ctctctgaag cacgggggtca gggtagttca tgttgcttcg attcgatcgt aggggagata 240
atgccggatg gcgctgctca tgctttgtaa agtttgggag gacatgcac ataattgaag 300
tcaagtgata ggatcctgtt ttttaagtac acgatacaac acanaanaaa 350

<210> 26642
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-C6

<400> 26642

gttatgctgg agcaggatta tatgatagtg taccgatgga tgaggaggat gaggttgtgc 60
gggattatac aactgaccct cttatagtag accgtggatt ccgaagctca atcctctcaa 120
gcatagcacg ggctggccat gccatctagg agctatatgg ttctcctcag gacgtcgagg 180
gagtagtgaa tgatggaaaa atctatgtag tccagacaag accacagatg tagtatgtat 240
gcatctatta gacagctcaa taagcactgt tgtacgcttg tatggttggg acatatgggc 300
gttatggcat gtatagttgt atgcctagat gtacatcacg tgtactcgta tatatatata 360
taaagtctga aacacgcatt ggtccaaaag tgtaagcaat ccaag 405

<210> 26643
<211> 410
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D11

<400> 26643

tagcaactca atttacagaa ctttgagttg ctaccggaga tgtacagccc cggtttttgg 60
ttggttaatc cagatctttg ggaataactc tcgaaaccga ataaactttg gatacagaga 120
tgccagtttt caggtgcctg cactatttga cattaatggt gcacctatgg ttccgaacag 180
aggaacagtt gaattctctg gaggggctga agcctgcact tgtgcagttg agattatata 240
atcgcgctga tttatttttg aacctgtatt cagctgggtg tgaggcattt gtttctgagg 300
tgaaatgaac tctccatgcc caacaactga aactaaagac gacacgataa ggtgcctgac 360
ctgaaccggc acatttcctg tggtcagggt taatcatata tatgtagctg 410

<210> 26644

<211> 267

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-D7

<400> 26644

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gatcgcaatt aaaatggtga gacctcattc tatatacatt ctcatactca tcttctactc 120
gttcatcaac attatcattc tcatttcata catttatattg accatatata ctttctacta 180
tcttcacatc tctcattttt acaagcgcac gattatccat actctgaata atatctccta 240
tcattctcact tattatcaga ctatctc 267

<210> 26645

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-007-Q1-K1-G8

<400> 26645

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gcatacatca gctactggaa attagagagc cgggtcggtt ggtcggagaa cctgcgagga 120

aggactaagg agtcgaagat gactgcgggc gtgctgtccg tgcgcacgac gacgacgtcg 180
 ctgctagcag cagtcatact gtgcctctgc atcgtctccc tctccccccg cggcgccgct 240
 gccgcgcggg tctccccccg cgccagcccg atcgtggcca cctgcatgac gggcccgtac 300
 ccggagctgt gcgtggggga gctgggacag cggctgctgg acgtgcagac gtcgatcgcg 360
 tccgcggcgc ccgaccagcg cgcggccagg atcgcgggcg 400

<210> 26646
 <211> 329
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-H12
 <400> 26646

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 ccttcaagga gggcgagccg ctcatggaca tcgtcggcag cgtctactac attgcgcccg 120
 atgtgctcag gacgacgtac gggcacaagg ccgacatctg gagcgtgggc gacatactct 180
 acatatttct cgccggcgtg cctcctttct gggcagagaa cgagaacggc atctataccg 240
 acatcctgcg aggggaagctt gacctctccg gagagccatg gccgtacatc tcgttgggag 300
 ccaaggacct catgatgaag atgctcagc 329

<210> 26647
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-007-Q1-K1-H8
 <400> 26647

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 acaaatgtc aaggcactta ataaattata gttcaaaaat gactaaaaat agagcctaatt 120
 ctttaaccga ttcgatactt aaattttata gtgcaaaatt tatagcccat tgcagccag 180
 ttggacgttg atggttggca cttgcagagc tagcaaaata taatagtact actagtgtga 240
 aaggagggcc ttgtggcact ggcagctccg gcaactgttc tccggtgcgt tgctgctatc 300
 gccgttcttg gcgtctaagt accatccgga gagcgtgtcg aagaggatgc ccgcgccaac 360

gccaacagcc aggtcaatgg tgtagtgt

388

<210> 26648

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-B2

<400> 26648

taccctcgtc gtcgtctcac tcaccccgcc ttcacgcctc cctcaccaaa taaggccgg 60

cccttttccg acattcacag gggggacagg aaatcagcgg ccatggcctc gattccggcg 120

acgaccttcg ccgtcatctt atccgtcctc ttctgtgccg cggctggcac cgccgtcgac 180

aacgacctcc ccgactacgt catccagggc cgcgtctact gcgacacctg ccgcgccggg 240

ttcgtgacca atgtcaccga gtacatcgcg ggcgccaagg tgaggctgga gtgcaagcac 300

ttcggcaccg gcaagctcga gcgtccatc gacgggggtga ccgacgcgaa cggcacgtac 360

acgatcgagc 370

<210> 26649

<211> 367

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-C12

<400> 26649

gctcatgctc tcgctggga ccgacgccgg tggccctgcg gcgtcacgaa tccatgggcg 60

aactggggcc cggactccga ggatgctgag cccgccccgg ctgcctacgt cgaccctcc 120

tcccgctcc actccggcg cagtgctc aaggccggcg cctccctcag ctgggcccc 180

acgcccacca agccgaccta gcccatcgac ccggtcctgg cacagcccat ggaggacgtg 240

cgcaccatat acaccgtgcc caacgagctc ggacgcggcc agttctgcat caccagcctg 300

cgcacgcaca aggacaccat ggactcatgc gcgtgcatga ccatcgtaa gcataagctg 360

tccacca 367

<210> 26650

<211> 405

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-008-Q1-K1-E5

<400> 26650

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gagcgggagg agtacctgca tacgatggcg tgtgctgact gccgtgcggc agctggcgct 120
gctgcatagt cgtggcgcat agcggagggg cgtatgtcgc aactaccggc gatcaacggg 180
actacaatgg cgatgagatg ctgaaacgcg cgcgatgatg ctcgctgcgg catatgacgt 240
ttgggctagc atggtgcgcg gaggatatga ttcaagcggg cgagctgcgc taggactatc 300
accgggtcca tgtacatatt ccggcttctg cagcgcgaga acgattgtat gatccgcgtc 360
agcacgctga ccaaaaaaat gggtttaagc ctttcaaagg gttat 405

<210> 26651

<211> 184

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F12

<400> 26651

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atgtgtatta tatacaagac gatacaaccc tgcgggtggt ggtcatgttc ctaacctttt 120
tgcacactcc acttgcctgg tgcaatatgc ctgcttccag atgcagaaag acattgaacc 180
tgac 184

<210> 26652

<211> 319

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-F4

<400> 26652

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cagattgtag aaaatctgga aaaagatctg gtcctagaaa aagatctggt cttagatgat 120
gttgatgccg atgatgccat gagagactag cttcgctgtt ttgtttgtta ctaaataagac 180

agaacttgag agtttcacaa ctttaattgtc aaaaacatat tgccttataa tttacacttt 240
 attttcctca cttatgtaca tattcatacc atagttatgt aatatctgtt gaagtcgtca 300
 aaaaaaaaaa aaaaaaata 319

<210> 26653
 <211> 439
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-F9
 <400> 26653

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 cgcccacgcg tccggattac catgagcagc gggccctggt acccggttcc gctggtgcgc 120
 atggactccc tgtcgtcgtc gtccacggcg cccgacgtgg agctgacgct cgccaacttc 180
 accgtggacc gcctcataca gatgttcggc gccaaaggggt tcacggttca agagctgggtg 240
 tcgctggacg gcgcccacac gctgggcttc tcccactgca aggagttcag cgaccgtctc 300
 tacaacttca gcaaccacgg cggcaagccg aagcagttct accccagcat gaaccggttc 360
 tacgccaggg ggctgcacga cttgtgcacg gactacctca aggacccac catcgtcgcg 420
 tttaacgaca tcatgacgc 439

<210> 26654
 <211> 382
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-008-Q1-K1-G7
 <400> 26654

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 cctcgtgggtg ctctcctcgg ccgccgtcgc ggtggcgccg tttgcggggg ctgcgcgtgt 120
 ggatgtcgtg gagggcaggt ccatggcgtc cgccgacgcg cctgaggcgg cggctgacgc 180
 gcccgctccc ggtcccgact ccgcctcatc cccggactcg ccgtcggagg cgccctccag 240
 cagcagctca tccgactagc cgcgcacaaac gcagttcttg tcatgatcta tctagcaaata 300
 aaaaagatca tatgtctcgg ttgattctct ggaataacta atagtatata tgctgcgccc 360

ggatgatata taaatatgtg ca

382

<210> 26655
<211> 318
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-008-Q1-K1-H1

<400> 26655

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aaaagccaaa agaaaaacgt acgtctagac aacaggatgg aagaatcaaa gcccaattca 120
ccgcacaccg gagctagcta gagcctggta caccagagtg gtaagcggcc ggggccggcc 180
ggccacggag aggatctcct cgccacacga cgacacctat gatatatcta ggctaggggc 240
tgcagggcctt ggggaactgg tagccaacgt acttggccct ggcgttctcg cacttggccg 300
atgtggcacc ctggccct 318

<210> 26656
<211> 69
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A1

<400> 26656

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atggcttat 69

<210> 26657
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-A5

<400> 26657

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agtaacacag cagcagaaca tcaaaccat ctctgccag gctctgagca aacgccaaag 120
cctccaacgt ggacactacg taccgtaccc cagtcaccca cccacaccc tacctcgctc 180

gcagtcgcag cttccgctgt acgcacacta ctgcgcggtg cacgcaccga cgacacggcg 240
 gcgcagctta tgtatgagta agtataggga ctgccatac aggtagtcac cgcagcgtgc 300
 caccctgtct agcgatcgaa cacagtcgac ggggaacgcc ggccggtccg gtcagttggt 360
 gagcg 365

<210> 26658
 <211> 381
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-009-Q1-K1-C5

<400> 26658

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 cccatcaaca attagcaaga ccgatgaact agcaaggctt cttgcagaag cacttgcgca 120
 tggccacgtc ccgcttgac tcgccaccgg gaaagctctc cttcatgcac acctcggcgc 180
 atctgtcgt gttgaagcag aagccctcga actggagact cggcgataag cattgactct 240
 cttccttctc cgtgcttttc tgctccttct tctccttctc ctgctgtttc gctttctcca 300
 ttatcaaggc atgcatgggc atggctactc ccattttggc atcgatgggt cccacctctg 360
 ctgcgacgag gaggagaaac a 381

<210> 26659
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-E7

<400> 26659

aattcaacga caaagcagac cggatccaca acgccatcct ccagaccatc gccgagggga 60
 agtacaggac tgctgatctt ggtggaaagg catcgacatc agagtttaca aacgcagtct 120
 gtgatcacat ctgagaaacg gatgtgattc ttccttctga ttgttttgtc atcctaatat 180
 ttttttgtca catatgagag gagcttttagc tttaagaggt taactggcag cacctcgaac 240
 ttctttgggg tgtttaacac ggtttgagac cgtcaaataa ttttgtcaca tttcttgccg 300

ttcagaaatt ctttcaacat tggaatggag ccaagaattg tctgtaataa tcaacatcag 360
cattataaca gtatgtaggg tttatctc 388

<210> 26660
<211> 153
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-F8

<400> 26660

tcagtcctaa aaaaaataaa tataaaaaaa acaattataa aaaataaaaa aaaaaaaaaa 60
ataatataga atcttcacaa aaatttaata tatatatcca aatattttcc taatttttta 120
aatctcatgt cctcttctta tttttttcca aat 153

<210> 26661
<211> 62
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-009-Q1-K1-H9

<400> 26661

aaaaaaaaa aaaaaaaaaa aaaaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaga 60
aa 62

<210> 26662
<211> 327
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-C6

<400> 26662

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cctaaattgt caagcaagggt ttggatcatc taggagcttt tggatgatga tgatgggtgct 120
ggatatttag ggttgggttg gtatttccgt atgtaagatg tatgccctg agctcggcag 180
tttttgagct ctgcttaaga ttctcacagt taaattgttt tatgtaattt gggccttgag 240
atgtttctga accaaacagc taaaagagtt cagttgagtt aactggttgc cattattaca 300

ttatgagatt ctttgaaaaa aaaaaca

327

<210> 26663

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-010-Q1-K1-F1

<400> 26663

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cacaccgcg cgctgacgcc atgaagcctc tgggcttctc gaagaaggag gtcttcgccc 120
tcctcaagaa cctcctccag ctgttcgata actcctggga gccattgag gacgagtgt 180
accgcgccct cgccgatgt atcctcgaag cccgcgaccg gcccagatg cattgcagca 240
acagtacaag aggggttcgg cttccgcccg aaggggaggg ctgccggccc cggccttcta 300
cttcccgtga catccacgac ggtctggatg gtgggaccga ggcccttcgc atcaagagga 360
cgaggatcag cgctagtgtc tctatcgatc cccagtcttc cggctccgct gcggaagccc 420
ttgatgaacc tat 433

<210> 26664

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-E7

<400> 26664

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ggccgcggag aagaggaggc agcgcgctct ccgtccgcca tggcgggctc ttccgacccc 120
gacaagctca tgagcaaagc cgacaaacta acaaaattga gttttacaag atggaatgt 180
gattggaaaa gcgctacctc cttgtatgag caagctgcaa ttgcgtatag gttcagaaag 240
gacaatgaga aagcaaaaga tgcttttgag aaggcctcaa aaggacagga aatgatctcc 300
tcaccatggg acgctgctaa gcatatggaa tctgctgctg ctttagcaaa ggagcttggg 360
cgctggaatg aagtatctga tttctatcac agagcttcag aattataccg tgaatgtgga 420
aggccacaac ctgcatctga tgctct 446

<210> 26665
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F10

<400> 26665

cccacgcgtc cgcggaacgc tgggtccgcg ctcaaggact tcctggcctt tgtcgtgagc 60
gaggccaacc tcaagggcgt cgacgccatg cccgaggacg tcgcccaggc ggtgctctac 120
ctggccagcg acgaggcgag gtacgtcagc gcgggtcaacc tcatgggtgga cggaggcttc 180
acagccgtaa acaataacct cagggcgttt gaggattagt tgaggcattt atgccagctc 240
tgggattggg agggagtatt accactatct cttctgctgt tgtgacaagt gagtgaaga 300
ctaataaact gcagcatgtt catgtatcca acagatgatt gaacagaata gaa 353

<210> 26666
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F4

<400> 26666

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aagtgtcttc aacgttctca tgatcgttgt caaattgggtg tctggctgag cctgatgaat 120
tggtatctgt tccaccttta tgtaagagct gagagatccc aaatttaatt gtactcaagg 180
ttgctgtaaa tatgtgtttt ctgttgatc taatgtggat ttctgttatt gttgtcgtaa 240
attaatttgg tcagaaaatg actgtcgaca ttcatactat ccaagccggc actttattgg 300
gggtgtcttt cttttgtaca ttaatgaatt caagacatat ttgcaacgtc cttgtatgtt 360
ttgtgaaaaa aaaaaaata aataaataaa aa 392

<210> 26667
<211> 82
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-F5

<400> 26667
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 gggacaatat ataaaaagag gg 82

<210> 26668
 <211> 233
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-G9

<400> 26668
 tcgcccacgc tgcgccata cgcctcctgc tgtcacgaac aggaactctc tgaatcacgg 60
 gtgcagggtta gttcatgtgg cggttgattc tatcgtatag tagataatgc cgcattggcg 120
 tgctcatgct ttgtaaagtt tgggaggaca tgcatacataa ttgaagtcaa gtgataggat 180
 cctgtttttt aagtacacga tacaacacaa atcttaacat actccctttg ttt 233

<210> 26669
 <211> 264
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H11

<400> 26669
 cggacgcgtg ggggtccatgg agccgtgcat gcacggggccg acgttctacg actgacgagtc 60
 caagcacggc gccggcacgg ggaagctggt gccgcacgtc cagcactgag aagacatgag 120
 ctggggggctc aaacttgctc atcccagagt aaacagcaat aataatgaaa agaatacttt 180
 ttttaatggt tcgaattcct gtgctaaaaa aaaaaaaaca caagaagaaa aagaaaacat 240
 gaagcaacaa caaacataaa caac 264

<210> 26670
 <211> 132
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-011-Q1-K1-H6

<400> 26670

cctgcaat ttt gtaagtgtaa tgacctatat gatttaatct tcctttttaa aaaaaaatat 60
 gaaaaaaaa ataaaagaga aaaaaataaa aacaaaaaat aaaaaaaaa aataaatata 120
 ctataaacia cc 132

<210> 26671
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-B6

<400> 26671

gacggacccg tccatgctat ggctcgccga cgcgcgggtc atggacatca aggggtggctt 60
 gtcgcacccg tcggccgaga tctccgtctc caagcctccg ccgcatccgc cgcagatcca 120
 ttttgagaac gggagcacga gcacgctcac ggagaacccc agcccctccg tgcacgcgcc 180
 gccaccctcg ccggcgccgg ctgctccaca gcagcggcag caccagcacc agaatcaggc 240
 gcaccagggc ccgttcgcc gggagctcaa tttctcggac ttgcggtcca ctcttcctt 300
 ggcggcgacc ccgtcgttct tcaagcccga gttcggcgag atcctcagct tcggcgccga 360
 cagcaacgcc cggaggaacc cgtcgccgggt acctt 395

<210> 26672
 <211> 391
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-012-Q1-K1-D1

<400> 26672

aagccatcat ttccaccga cgtccgcacc ccctctccgg cgtgccgacg gtatccaggc 60
 ggcggtggtg cgcggcgtct tgaggggcat caaggagaag ggactcacca acttcatccg 120
 cgacgtccgc gacgaaggat acttcaaag ccttctggac gggaaccttt tgcaaacgaa 180
 aatccacaat attggcgcaa cactttagg agttgacaag tttggtaaca aatattatga 240
 gaaactacat gacactcagt atggaaggca tatgtgggta gaatatgcag agaaaggctg 300
 ttacaatgca tcccaagtgc ctgctgaatg gcatggatgg ctgcaccaca tcacagatag 360
 caccggggat aagctgctga accagaagac t 391

<210> 26673
 <211> 60
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-D12
 <400> 26673

atttttaaattg ccgattgcct tggtttcaaa aaaaaaatac aaaaacacaa acatggggac 60

<210> 26674
 <211> 87
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-012-Q1-K1-D9
 <400> 26674

aaaaaaaaa aaaaaaaaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaagaa 60

aaataaaaaa aaagaaaaaa aaaaaaa 87

<210> 26675
 <211> 308
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-013-Q1-K1-D1
 <400> 26675

gtctcatgcg cgattattcc cccctccggc cgacctttta cacacgtacg attggctgtg 60

atgatcatcc acgcatgcat cgatcttccg ccaactcatc accgtctctt cgatctcctc 120

tcagcaatat acgtacaatc cttcgtcgct catcttgatc ggagtagcta gttctcttct 180

gaaataatgc atatgcccta gctgctcgct gcacacacgt acgcacggac acacctnctc 240

ttggatcgat cgtctccctt ctgcgcgtcg tcggccgccg tcgtgccccg ggtcgatctc 300

gatcgttg 308

<210> 26676
 <211> 94
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-013-Q1-K1-G4

<400> 26676

aaataaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaggagggaa aaaaaaaaaa aaaaaaaaaa aaaa 94

<210> 26677

<211> 401

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-013-Q1-K1-H4

<400> 26677

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cctcctctct ctcgcgtcgg ccgccgcggt tgccgccgcc gtcgacgcgg aggacccgct 120

gatccggcag gtggttcccg gtggagatga caacgatctg gagctgaacg cggagtccca 180

cttctgagc ttcgtgcagc ggttcggcaa gtcctacaag gacgccgacg agcacgcgta 240

ccggctgtcc gttttcaagg ccaacctgcg ccgcgcgcgc cggcaccagc tgctggaccc 300

gtcggcggag cacggcgtca ctaagttctc cgacctcacg ccggcagagt tccgncggac 360

ctacctcggc cttcgcaagt cccggcgcgc tcttcttaga g 401

<210> 26678

<211> 424

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-A3

<400> 26678

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ggccgcgcgt cgccttgaga tctgtggcgt cgtcggcgcc ggataacgag tagagatgga 120

ggagacggcg gcggtagcgg ggacggctga gaaggcgtcg tcgtacaggt actgggtgcg 180

ggaggccacc ggcgacgccg cgccgctccc cgtcccgccg aagctcgaca ccgatgccaa 240

cggaacggg aaccgcgcgt ccgtcggctc cgtctggaat caggctggaa catgggagga 300

aaaagaacct caactcatgg gccaatagta gaataaagga tttgatgggc tctataggtt 360
cattggcctt ncctacaggg aaggcatcta ttgacgaaat gtccaagtgc tcangcgacg 420
catt 424

<210> 26679

<211> 452

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B11

<400> 26679

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gctcttcctt ggccggccgag cggggctccc tctgacgact ccgcgcttcc tctggtgcac 120
ggccgcttct attgccgtcg tctggggctt ctgctgcgtt accatggggc aaacagcgag 180
gaaaatgccg agagagagag gtagagacag tttggtcgtc gagtcacatg gaggggtgccc 240
tggtggccgg ggaatccttc acctgcgag tgctacattg ccgggctgct gcatcggtgt 300
ctgcctctac taccagggct gactccattg ccggacagcc aaaactctcg gtcgagtctc 360
tgaaggccgt ctgtccctgt tccttcgca gcgaggtcac gagtcacccg aggaccaatt 420
tggtgaggtta cctggaatct caagtgccag ac 452

<210> 26680

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-B6

<400> 26680

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catacatgat tagaattgcc tcctaaaccc aaacaaaagg attacatata ctacaattca 120
gaagtctcag tagtatatat ggtagcggt gcatgctctc tcatgcaata tatataaact 180
taattagctt gctgctgcag gtccatagcc caccgcgccg gatgaatcga agggaattca 240
aagtctagta gaattggacg tttggaagtg tagacggcat cgggtctcca gttcggcggg 300
atgacgtctt tggcgatgac cttcttgccg gactcgctgg tgaggcggat ggaaaagggg 360

cccttgagcg ccttggcagt gtccatcctt cagatggcgc cccaagagag cttcatgg 418

<210> 26681
<211> 70
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E12

<400> 26681

gcctactgtc tgttaccatg tatattatat aaggaaggat gcgttcacca atgtttgaaa 60

ggagacaatc 70

<210> 26682
<211> 258
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-014-Q1-K1-E2

<400> 26682

tgctgtaccg gtccgggggc gaccgacgcg tgcgcactga acgatgtgtc tgtcaaagaa 60

gaacactgtc tcgatgatcg tccatatatg cgacagtgtg tcgctgtgtg tgaacactga 120

acaacgtgtc aaaactgaac ttatgttgcc aattttatttg caagcaacaa ggcgctccca 180

gctgatcttg tgcctttatg cagtttatac agttcaaaat ttcaaataaa ctatgaggct 240

cagcctagaa ttcattac 258

<210> 26683
<211> 345
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-014-Q1-K1-G9

<400> 26683

cccactcgtc cgcccactcg ttcgcccacg cgttcgccca cgcgttcgcg gactcgtggg 60

ggagaaaacc gtctgatct ggatggacat aatgaaggag taactatggc tggatatggt 120

tatgggatcc ctattagtcg cctttatgct cgatatttcg gtgggggactt gcagatcatc 180

tctatggaag gatatggaac tgatgcttac ctncaccttt cacggctggg agattcggag 240
 gaacccttgc cgtaatttat tcaaaagaac cattcctgta attaggatat tgcttctgtg 300
 ctggtatgca agtatagtgc tgaaggccaa aaattaaaat aaaaa 345

<210> 26684
 <211> 202
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-A4

<400> 26684

cccactcgtt cgtgcatatt cattcttttcg ctcatgcact ccgatacggg gccggagtta 60
 aaaaaatgtg gatcaatgtg caaattcaaa tgacatctta accagttgtg atcaatctga 120
 accgctaaaa aaaaaaata aaaaaaaca aaaaagaaaa ataaaaaaaa aaaaaaaaaa 180
 aaagataaaa aaaaaacaaa aa 202

<210> 26685
 <211> 103
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-D2

<400> 26685

tcgaaaaaaaa aaaaacaaaa caaaacaaaa aaataaaata aaaaaaaaaa aaaaaaaaaa 60
 aaacgggaaa ataaggaaaa aaaaaaaaaa aaaaaaaaac ata 103

<210> 26686
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-F10

<400> 26686

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 ggctgattgt tacaatggag ggatgagaag acaggaaact ctagcaatca gatatatatg 120
 cgtcttagca taaagttgtt gagatactaa tgctagcgac aactatgttg acttgctcgag 180

tatgtagaga tgggctcatc atttcgtggt gagcttgtac atatttcctg agattacttt 240
 gtcttgccaa acatgcgcca gttctccatt ggttgctaata gctcggctct gggattgtat 300
 attcgtatatt aataaaagta cttgctccta ttcgaattcg ataaacaa 348

<210> 26687
 <211> 106
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-015-Q1-K1-G8

<400> 26687

cccacgcgtc cgcccacgcg ttcgcccacg cgctcgccca cgcgtccgcc cacgcgtccg 60
 ggcacgcgtt cgcccacgcg ttcgcccacg cgctcgccca cgcgtt 106

<210> 26688
 <211> 284
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-A6

<400> 26688

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 acattccatg tgtttgccac tcgcattcca tacactgatg cacgtacatg tttctatata 120
 atcaggggtgc aacgtatata ctggtagtta ttccagagaa tgaagagggtt tttgcgtcta 180
 gtcggaggag ctgctgctgg agggcgacgt tgagcatcag aaggctaatag aggtgctcgc 240
 tccagaggcg gccgtcgccg agcccagacca caaggaggag gaag 284

<210> 26689
 <211> 328
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-016-Q1-K1-E7

<400> 26689

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 cggtcttatt tatgacgaat gtcatgtatg ttctgggtgac tgtcatgtat attctgatga 120

ctgtcatgta tcttgttcat gtatgctcaa gggttcattat cttgttcatg tattaagtat 180
 gttatgaata actcaatatt tattattttg ttcattgtatg aattatcttc taatgagctc 240
 aagggtcaaa aaaaaaacca acaaaactaca taacacaaaaa aaaactcatt taataacctt 300
 ttttaacttt atagtcactt ataaaaat 328

<210> 26690
 <211> 63
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-G10
 <400> 26690

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 tca 63

<210> 26691
 <211> 241
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-G11
 <400> 26691

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 acagtccgac tgggaaaaca ctcaactttac ccacatgaat accctggcaa aacatctgca 120
 tttgccaac atgcctaata aataaaaggc ccacaccgat tgccatctct aaaaactggt 180
 cagcctgaat ggaaaatggt acgcgccttg taccccaacc ttaaccacgc attctgtgag 240
 g 241

<210> 26692
 <211> 66
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-016-Q1-K1-H6
 <400> 26692

cggacgcgtg ggaaaaaaaaa aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaggaa 60

<210> 26693
<211> 460
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-016-Q1-K1-H9

<400> 26693

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tcccgcccttg cgcacccgca cctnccctcg ctccctcggt tcaccgagac ggacgacctt 120
ctcgcggtggg ccgtccccta ctgctccggc ggcgacctca acgagctccg ctactcgctc 180
cccgaccgca tcttctcccc cgcggccatc cgcttctaca ttgccgagat cgtctccgcy 240
gtcgccgagc tccacgccgc gggcgctcgtg taccgtgacc tcaaggtctt cgacaagcgc 300
tccgcgcgcc gcagcaggaa gcctgacgcc gaccgcgcgc cgggtgggaga tcagcgtgct 360
ctcccgccctt gcgcacccgc acctnctnca cccagcagg tcgtccgcgc agtcgtcgctc 420
gccccgcgcg tcagcgtcgt cccgcggcca ccacaaccgc 460

<210> 26694
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-A2

<400> 26694

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ccaatgggat cgtgggaaca aataattttt tttaaaaaaa aagaggaccc caaaaagctt 120
atagcagagc cagacaatga atgttacaca agtgtaaaag atcaaacgac aaagctcctg 180
ctcctgctcg tctcatgaag ctttcttggt cttggcaatg ctcaggaggt cgccgaaaag 240
cttgtcttcg ggcttcgctg ccgcagaggg tggcgctctc gtagtctggt acgacgagtt 300
atcctgcacc gagaggccat acatgccctg ggacagcccc ttgcgcgcgc ggtaccata 360
cattcccgcc gtccccaggt tactgtagta gtgtgcagcg gccacagcag gatgctgcat 420
gtacc 425

<210> 26695
<211> 219
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C2

<400> 26695

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tgaagtgggtt agttgtgacg agtgaattca gtgctctgca gacaacaact attatcataa 120
cctgagggta gagtgaatta ttcattgtaa aatataccta aaaccataaa tacataataa 180
aaataaaaaa aaaaaaatac aaaaaacaca tgataaaaa 219

<210> 26696
<211> 89
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-017-Q1-K1-C3

<400> 26696

attcaattct gtatcatctc actttggcgg aattaataaa cggaatata acaatacaaa 60
tggatatggt taaagaagaa ggagagcat 89

<210> 26697
<211> 425
<212> DNA
<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-017-Q1-K1-F5

<400> 26697

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gccccaacac ggacggcatc cacatgggag actcgtccgg ggtcaccatc accaacaccg 120
tcacggcgt cggcgacgac tgcacatcca tcggccccgg gacctccaag gtgaacatca 180
ccggcgtgac ctgcggcccc ggccacggca tcagcatcgg cagcctaggg cggtacaagg 240
acgagaagga cgtcacggat atcaacgtca aggactgcac gcttaagaag acggccaacg 300

gcgtccgcat caaggcgtat gaggacgccg nctncgtgct caccgncctnc aagatccact 360
atgagaatat caagatggag gactcgggct accccatcat catcgacatg aagtacttgc 420
ccaac 425

<210> 26698
<211> 267
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-A7

<400> 26698

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ccctctccgt cctctagcga ccgaccaacg cgccgagcga agatgtcgtg gcagacgtac 120
gtggacgagc acctgatgtg cgagatcgag ggccaccacc tcacgtcggc ggccatcgtc 180
ggccacgacg gcgccacctg ggctcagagc accgcgttcc ccgagttcaa gcccgaggag 240
atgggtgccca tcatgaagga tttcgac 267

<210> 26699
<211> 142
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-018-Q1-K1-B5

<400> 26699

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accagaaatg caatcgcaac cattcaaggg cctgtttgtt ttatcttaat tcacattgat 120
cggagaaaaa aaaaaannaa aa 142

<210> 26700
<211> 82
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-C6

<400> 26700

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ccgtacattc taacacactc at

82

<210> 26701
<211> 289
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-G8

<400> 26701

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attagggggc taaaaattgg ggggtgggta tggcccttaa aaaaacgaga gccggccctt 120
taaaacgttt ttagggaata tttttcattg cctgggtgact ggaccattaa taggcccgtt 180
gcctgggttt tttggaccaa tttaccaa atgggcaggaa attcttcaac ctaaaaaggt 240
tccccaggg gttagaatcc ccgggttttt ttggaaattt tgtaacaa 289

<210> 26702
<211> 115
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-018-Q1-K1-H5

<400> 26702

tacgtcggag ctcttttata gggacaccta aattcaattt actggccttc tttttacaac 60
ctctttactg gtaaacctc tctctttacc caacttaact gttcttcacc acata 115

<210> 26703
<211> 86
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-A11

<400> 26703

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agtcataaaa aaaggaacta aactac 86

<210> 26704
<211> 350

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-D5
 <400> 26704
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 gggccggcgt tgccgctgct gttgctacca tgatcttctt ctactaaact caccgacgat 120
 ggtcgtgtcg cgggtgagaca ttaggggtgga cacgtaattg gctgtgctgt aatcgctctc 180
 gtctgggtggg gagggaggga ccaagtgttt ctttgctttg ctcacttcgt ttgctcttgt 240
 aacattatgg ggtcaaccgt tatgtaacta atggatttga ttaaaaaaaaa aaaaaaaaaat 300
 attataaaaa aaagtaatat taaaatattt attaaaaatt tatatataaa 350

<210> 26705
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-019-Q1-K1-E4
 <400> 26705
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 cgcgactcga agcggcacta cgggctgcgc acgcgaggcg acggcgacgg cgtctccgtg 180
 ctgtcgtaca gcaacgtgtg gatcgaccac gtgtccatgt tcagctgctc cgacgggctg 240
 atcgacgtgg tgaacgggtc gacgggcatc accgtgtcca acagccactt caccgaccac 300
 gaccacgtga tgctgntcgg cgccagcaac gacagcccgc atgacgcggt gatgcaggtc 360
 acggcggcgt tcaaccactt 380

<210> 26706
 <211> 65
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-019-Q1-K1-E7
 <400> 26706

cccacgcgtc cgaaaaaaaa aaaaaaaaaa ataaaaaaaa aaaaaaaaaa aaaaagaaaa 60
aagaa 65

<210> 26707
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-F7

<400> 26707

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gacgaattcc agcttacgcc tctgccccaa caaggtcttg tgttatgggg agagcacgat 120
cagatattcc ctgtcgagaa agcatttgaa gtggcaaggg aacttggcgc aaatgctagg 180
ttggagggtgc tcgaggacac cggccacatg ccc 213

<210> 26708
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-019-Q1-K1-G4

<400> 26708

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ggctgagggc tgccgtgcgg ctagcgtcgg aagcggagct gccagtcgtc gcgtcgccgc 120
tgctgtcgct accatgatct tgtactgagt tcaccagctg ggaccgtgta gtctacggtg 180
ggcacgtagt tggctcgtgc ggtaattgca tcgtctggtc gggagggacc aataacgcaa 240
gtgctgcttt gctttgctca cttcgatatgc tcttgtaact ttatggggtc aaccggtata 300
taactgaaac gatttgatta actgatacta atgctctcta tctgtcatgt ataagaaaac 360
tgt 363

<210> 26709
<211> 428
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-019-Q1-K1-H10

<400> 26709

atgcagtata cttgtaaata gcttggactg gtcgaaactt agaccaaata tcccgtggct 60
tgtagaatcg ggaggatgtg ttttgctgga ttcttgtatt attcttcagt tcctttatct 120
ccattatcgg aaacgaaggg agccttcgga tgagcacgac aacgcagaca aagcctgact 180
gatatagaaa ctactgtttc ttcttcggct caaagaattg aagctgaaat gggatatcgat 240
accgacctgc ctntacaac gggctctgga tagcagcagc atcgttgtta cctgaagatt 300
tgagagcgcg tttcactggg tgctgctttg gagggctactt ctcaccgct catgtccctg 360
tgagaggctt gtgaaactat nattgtctcg tagtgtccaa atgtcttggt tttctattgg 420
attatatc 428

<210> 26710

<211> 218

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A3

<400> 26710

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atacgcagga ctttattcca catgcactag cactaaacct gcactacact tatcttctct 120
aacctgctat tgacactaac aatatgatga aacactttac aaaatcactc gatcactttt 180
aaggtagatc cccttacatt taccctctat acactttt 218

<210> 26711

<211> 281

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-A6

<400> 26711

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tgtaaatttg tacagattat tattagtatg catgggtggg aggctcatgc tgacaaatgt 120
atgtactatt gtactgtata tctcgagttc atggtaatac aacacacaga ttctgcaaaa 180
aataaaaaat gaaaacaaga acgacaaatc acataaaaac agattaaaat cacacaaaat 240

gaagtcacctc aaacatatca aatcttcaag tagcgatcac t

281

<210> 26712
<211> 211
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-C4

<400> 26712

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tgctccttgt taacatgtcg catgaccata atcttttgtt taaattttta aatatagagt 120
tccatggcaa atggcaaagt cgaaactagt tactcctcca atatattgga agaacaataa 180
at ttggtgta aaaaaaaaaa aaaaaaaca a 211

<210> 26713
<211> 186
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-020-Q1-K1-E12

<400> 26713

cacgtgccac gttatctctc ttatatagtg acctctatat acattacagt gggcgtcgtt 60
acacaacgtc gactctgaaa aaactgtggc gtcacaaatc ttaatcctct tgcaacacat 120
ccctttttcg acatgtggca taatcgcgaa gaggcgcaca catatcgctt cttaaaacat 180
gtgcac 186

<210> 26714
<211> 69
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-C1

<400> 26714

aaaaaaaaa aaaaaaaaaa aaacaaaaaa ttaaaataaa aaaaaaaaaa caaaattaaa 60
agggactga 69

<210> 26715
<211> 229
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-D5

<400> 26715

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gggttaatta gatccaccgc tgggtgactc caattccatc tcgcaatacc ctggatttag 120
cccgacacta atccctacag cttattctac acctgtgaca tctgattggt cctacttcga 180
aagcaatcaa ctagacttca cttactcaat aacgcccata agatctctc 229

<210> 26716
<211> 301
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-021-Q1-K1-H4

<400> 26716

attcggagtt cgagggacga gtcaccgcgt gcgtgggcga ttcgcaggcg ggtggtcggc 60
gtttcactat ccaccaccgc gccgctgcgg tggaatttct cctcgaccgg ccagcgcaat 120
tctgtgcctc gatcgatcgg tcgtaaggca agtgagcaag ctatatatat atatatatat 180
atatatatat atatatatat atatatagga gattcttcga gcgagctaata agcgagatgg 240
gttcgcagct actgttttac tgcataatgca tcgacggcgt catcgcatg tcggcggaca 300
t 301

<210> 26717
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C5

<400> 26717

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actatatacg tgctgtctat gactatgagt ctatctacta atactattat tctccatctg 120
cgtatacata tgtgcatatt tgtttacatg tcatcggacc agtcctgcag ctgcgcctcg 180

gagaagagcg cctcgacgat gttgtcgatg agggagtcga cgaaggcggt gcaccccagc 240
gtgaacatct ggccgatacct gttgcgcgct ctggacgccc acgcgaacgc cgtggcgcat 300
gcgaccaccg tcacacacac ccccgcgggc tcctcgatct ccacgtgtgc cagcttcttg 360
aacagcgagc tgcccgtcgt cgtctccacg gccactgc 398

<210> 26718
<211> 81
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-C6

<400> 26718

aaaaaaaaaa aaacaaaaaa taaactataa aaaaaaaaaa aaaaaataaa aaaaaaaaag 60
aaggaaaaat attataaaat g 81

<210> 26719
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D10

<400> 26719

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ggggctcctc gaccggtcag cgcaattctg tgcctcgatc gatcggtcgt aaggcaagtg 120
agcaagctat atatatatat atatatatat atatatatat atatatatat ataggacatt 180
cttcgagcga gctactaccg agatgggttc cggcgacctc ttttactgca tctgcatcgc 240
cgccgccttc gcatcgtcgt cgtccatggt cgccgccagg tccgccgtcc cgggggaaac 300
ccccaagtgc atctcagcga gcgcacttga gtgctccggt aacgtaaccg aaatagcaaa 360
ggcgcgcaag ctgatcgatg tccatggaca caggctgtgc ccactgcggc tcgaccacac 420
gcgcagcatc ag 432

<210> 26720
<211> 258
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D6

<400> 26720

gctacggcgg cggcggcggc ggctggaggg actgatgtgt gggcccatcc tggcttcggc 60
cgagttatct tatctatcta tagtatcgtg ttaccgttcg cttctgtcac cgtgttagtg 120
tccgtttctac ctttggatta ggtgttggtta cccctgttgt tccctttggt tgctcccgt 180
atgaaacgag acgagagaag aatgagcaag gtttttgttc gcagctatct ttgtccaatg 240
atattgatat gttgttcc 258

<210> 26721

<211> 374

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-D9

<400> 26721

gaaggtgatc tcgtttctcag atctaagtga tgtcaccaag cgcaagggtg caaatgctgt 60
ttcaagcatg actaaacatt tggagcaagt gcaaagttct cttgctgctg ctaaaaggca 120
tttgacacag cgcattgaaa agttggacga taaattggat cagcaaaagg ctctatctgg 180
acataataaga aatgatgtta ctgatgcacg tctgaagctt gagaatattg gttcagaaat 240
taagaacatc aatgaattag tttggggact ggatgggaaa attgattcaa tggaagctaa 300
acaggacttc tcatgtgctg gtgtgatgta cctctgccaa ttcataagagc aaaatggtgg 360
aaagcttacg gatc 374

<210> 26722

<211> 398

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E4

<400> 26722

ggcggctgga gaaagagagc caggtcagca ggagattgag tgcgtgttgc cttaatggta 60
gactgcgcat gcgaggtgac aaagagcatg cactgcactg caccacatat gtgcatcgaa 120
ggttgaagac gaccagcacc tccggtcaga agagaggaag gagaggcggc tggagaaaga 180

gagccaggtc agcaggggtgt tcaaaccgcc ggcggtacca acgaatcttc ctctttttct 240
tcttttagctt gaatttatgc cttgtgacgt gcatctggag gcacgactga ttacaaaaga 300
atacgagttt tcctaaagtt aacaacattc ttgactggca aaaccctggt ctttcccaac 360
ttaattgcct tgcaatacat tccctttttt ccagttgg 398

<210> 26723
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E6

<400> 26723

cccattataa ataaaaaaaa aaacaacccc attaaggggg gaacacaata aacaatttta 60
tcaccgaaaa atggctcagg gagggacctt aaaattaaac attaatcaac taaagaaccc 120
ctctaaaaat gatttttcaa aaaaacttac attgcacatt ggaggctttt tattggtagg 180
ggaaaaaaaa ataaagtcag ccatttaaaa aaataaacgt cccctataa actgccaggg 240
tgagtttaat ttacacggt ttattctaaa aacaccggcc agaaaaaagg ggtaaacctg 300
cccccgaaa aacccttacc g 321

<210> 26724
<211> 215
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-E8

<400> 26724

caaagcaata attgtatcag catgaacaaa atggtatgac catacgatca taggttgtaa 60
tatgttttct ttccttcact gtgtaagtag aatgcagggt ttcactgtgt aagcgttctt 120
ttatactctg ctagtaactg taaaaaaaa caaaaaatac aaaaataaaa aaaacaaaa 180
caaaaacaaa acctagataa taaaaaaagc aaac 215

<210> 26725
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G5

<400> 26725

gtcaagcttg gggttggaag gggagagtac attgtcgatc acaatgctgg tactggaact 60
attttcttca gatttggtga gagattttga gtatgcaaca ttctgccact gtggaaggca 120
gacttttgag gcactctgtt tagcgatgct tgtggactgt gataggattc aatcggcact 180
ggagctctgc tgaaataatg aagctatttt ctggggaaga gtgatagcta gtgtgaaatt 240
agtttttttc tatgtaggat gtaagatctg ttctttcaga gtttggagct cataaataga 300
tgaatattca cagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaca 360
aaaaaaaaa aaaaaaaaaa aaaaaccaa caaaa 395

<210> 26726

<211> 170

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-023-Q1-K1-G8

<400> 26726

atcgaacca cgctagacga ctgcaacca tgggcgaacc aactgaccga ttaaccgacc 60
aaggtgtatc ctcgtctacg atatcttcct aggacaaagc cggggccggtt aagctggacg 120
caggggacgc accggccagc actcatgaac ggcataaaac gcaacggctg 170

<210> 26727

<211> 63

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-A5

<400> 26727

cccacgcgtc cgccacgcg tccgaaaaa ttaaaaaaaa aaaaaaaaaa aaaaaaaga 60
ggg 63

<210> 26728

<211> 437

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-024-Q1-K1-H3

<400> 26728

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agaaggcttc tggaaagaaa atccctttga tcatgggcca acggcgctct ggtgatgctg 120
agattctctt ttcacgccc gcaaaagcag agagagagct cactggaaa gcgaaatatg 180
gcatcacaga aatgtgcgga gacctgtgga actgggctag caagagccct tatggatacg 240
cggcatctga gtctccgaag ctgaatggta gttcacgctg agcaacgccg attggcccgt 300
gtggactcac ttgtacatga gactgtagtg ccagccaacc aggataaatg tagatctagt 360
cggtcggtca tacagagaga agttctatag gcctaggaaa gaaatgttat cctgttcctc 420
agcataagct cccatag 437

<210> 26729

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E10

<400> 26729

agcaattcta gcgactctgt ctaatttgga taggtcacat tgctatttct taataaatac 60
tgatgtaaag acagaagttg gtatgagtac aacatgcaca cacaaccaa acgaccctac 120
actagagatt ggaatccaag aataaactta acacaagacc aaatggtgcc ggcacataca 180
tgcgtacatg catctgaaaa caagattaat aatcacataa aaagaaagtg gaacaccgaa 240
cccaacgcaa gcacaaatca agaaagaaac aaaggaactt tgacagccac gcccatgcgg 300
caactgcgcc gatcgagctc cggtcgacgt tgtccacgg tcgtatgtag atatagtagt 360
acggccggtg acgctgcgtg gtgaggtgag t 391

<210> 26730

<211> 156

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-025-Q1-K1-E4

<400> 26730

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 acccaagaaa taagtgatgc tagatgtacc ttctgacctt gttgtattgg gttgatatta 120
 ttacataaac taaatacatt atttatttaa gatttt 156

<210> 26731
 <211> 473
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-B1
 <400> 26731

agaaatactt catgatgatg aatcatcagg ttaagatcga tctaaaccaa tccattttat 60
 gtatacatat gacatgccaa cgggttaaaca acttattaga aatgcaagac agccaatagc 120
 aaatgctaga aaatcggccg cgcttaaggg atgtcctcag cgtcgaggaa catgtgctag 180
 ggtgtatact atcaacccca aaaaacccaa ctctgcctta cgtaaagttg ccagagtacg 240
 attaacctct ggatttgaaa tcaactgctta tatacctggg attggccata atttacaaga 300
 acattctgta gtattagtaa gaggaggaag ggttaaggat ttaccgggtg tgagatatcg 360
 cattattcga ggaaccctag atgctgtcgc agtaaagaat cgtcaacaag ggcgttctaa 420
 atatggggcc aaaaagccaa aaaaataagt gattcgtttt tagcccttat aaa 473

<210> 26732
 <211> 54
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-F10
 <400> 26732

tgcgccacgc gttcgccac gcgttcgtcc acgcgtccgg ttctagatcg cgat 54

<210> 26733
 <211> 259
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-026-Q1-K1-F7
 <400> 26733

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 ataacgcaag acgtttgtaa atggacaatt cctcaggccc cttgtgttcg gcttgaggaa 180
 ggtcgctgtg tacgactgaa cctgatatac ccgggcgagc catgaattgg attcctaata 240
 gtgactccta aattcaatt 259

<210> 26734
 <211> 72
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A6

<400> 26734

tcgtctcgtg tgacgtatga catccaccag taattacaag tcgcgttgag atataactga 60
 agcaaacaga at 72

<210> 26735
 <211> 285
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-A8

<400> 26735

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 catctgaaaa gcaagttggt acctggaatc tcaagtgcc a ggtcaagaac aggtaccaca 120
 ggatgaggca catggaggat gctgcgatgt gttcatgaga ggtctaggcc gtcgtctccc 180
 agtcaacttt gggttgctgg accgttgtct ccttataatg taattatata tttattttgt 240
 atagaactcc tgctatgaag taaagatgtg acattcaaaa gaaac 285

<210> 26736
 <211> 242
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-C3

<400> 26736

tacactcggt cagatgcact tgatccggac taatgtacat cagcagcaga ggacccagct 60
 ggggtggtcg ccacgcacgt cgtatcgccc ttgttgctga catgcgccag tcattcggat 120
 tccatgccag gcaagccgga atagggctgt caaagcactg catgcagata agtgtgcttg 180
 ccgctgatga ctgcgctact cgtgctatct gtggctcgtc tgcacgcatg agtagcggcc 240
 ta 242

<210> 26737
 <211> 396
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-D1

<400> 26737

taccattccg atgggatcat gtccgtgtca aattgaaaaa ggagatagt acgtttggag 60
 acccaggtgt tatgccaaact aaaatcgttg ggaaatatgt taagccaaaa gactggaatg 120
 acttgataag tgatccagac actgtcatca ttgatgtgcg taacatgtat gagatacgca 180
 taggaaagtt taagaaagct gtcgatccac gtacaaactc attcagagag tttcctactt 240
 gggttgacga tcaatttcaa ttggttcaat caggcaccct agggtcaggg ggagatgata 300
 atggaactcg tgaaccatcg gcagacctta atgccagcaa atccaaacag ctaccaagag 360
 ttgctatgta ctgcactggg ggtatccgat gtgaga 396

<210> 26738
 <211> 216
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-027-Q1-K1-F1

<400> 26738

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 gaggacagtt acaaactctt ccggtgaaaa tgaaaatacg aacgaatctt taaaaatata 120
 tatatgtgtg tggtttgtat ttgtctgcaa aaaaaaacia ataaaaaac tgagtcgagt 180
 ttacacgggt tagctctgct gaatgggtgc aatgtc 216

<210> 26739
 <211> 233
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-F7

 <400> 26739

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 cgattaacat gtctagctgc tacgatcctg tgattcgacg atgttaatta atcggcagct 120
 ttcattatga tgtgtagcag tatactgtat gattaattgt ggatcttttc gaaaacaaag 180
 actgtaatat tcgtgaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaac aaa 233

<210> 26740
 <211> 357
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-027-Q1-K1-G12

 <400> 26740

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 cacgggaccg agacagtgcc gtcacgctgc gcgagttcta cggagactgg atcagcatgg 180
 gacatgacag aatgggggtga tggatgcaca tgtctgcaag cgcggacaga gactgagacg 240
 gctcgctcaa cgccgtcaaa ttcaacgact tcctgcatgc tgatgacagc aatcaagata 300
 gcgtgatgct gaggctactc acggacacgc tatgcgagat ggaccacgac ggagacg 357

<210> 26741
 <211> 214
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-028-Q1-K1-A5

 <400> 26741

 aaccgccaac actttacact ccagtgtcga tatccatcag ggccagtgtt tacaatttac 60
 agacaatcat gaccaggaaa cagaaaagaa ttacacatat tgagtcttgg tgaaggacac 120
 ccatattcag aggagaacca gtgcatatat gtcgtccaaa aaaaaaaaaa aaaagatatt 180

tgagcataat tattttataa aattttattgt aaaa

214

<210> 26742

<211> 349

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-028-Q1-K1-A8

<400> 26742

acggagtcaa gatcatagcc atgctaattt cgatatgggg ntttcctttc atatctctat 60

cgaaactatc tcgacgataa gaagggttagg aatgcttagg gagattactt gggctctacaa 120

ttttctttca tagatgttta gtttggtttcc tgcgagatga tagatgttca ttacttatgt 180

taatttaagt acattttacc aggaggaaac tatagctttt cagcatagct agaaaaattt 240

ccctgagtta ttattggtct ctcttttttt tttgcatatg cggcatatgt gtaagggtgt 300

gggacaagga aataaacatg atatatagnt ttataggtgt tttttttct 349

<210> 26743

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-A9

<400> 26743

ccttctaatt tctttcgaat ttaacttgga tcgaacacac ctgtatcctg tcgttctacc 60

ctgtatgttg taacacacgg ctctgtaggac gtacgttttg atcagctgca catacatata 120

cacattataa tcacacacat gcacacacac cgggtctagg cataacgatt actcttcctc 180

gccagacaag cccaagctca ccggcgtgcc agtctccggt atccagtcg cgccgtgcaa 240

gaagtgcccc accgtgaact gcagcgccct gtccttgccc atcacgtgga acccctgcat 300

ctccttcgc ccggtgacgt tggcgccgtc gccgccgttc ctgaactctc cgaagaaggc 360

cgtgcccagg ttggccttgc cctcccagg catgtacccc 400

<210> 26744

<211> 369

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B1

<400> 26744

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 tggcggcggc ggcgtggacg acgacggcgt cgggtggtgac aggctgatga tggaccggtt 180
 cctcagctgg caggcgacgt acaaccggtc gtacccgacg gcggaggaga ggcagcggcg 240
 gttccaggtg taccgccgca acattgagca catcgaggcc accaaccggg cgggcaacct 300
 gacgtacacg ctcggcgaga accagttcgg cgacctcacg gaggaggagt tcctggacct 360
 gtacaccat 369

<210> 26745

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-B5

<400> 26745

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 attccatgca ttaaggaatg atgctcaaaa ttttgcatat cctcctgaag ggaaatatta 120
 ttgtgccgat acttggcacc atataagggt caaagggtacc atgttcaaga ttggaggagg 180
 ggaccgcac caaatggtga acaacaacac ttttaaccatt tgcattgata acccgtaata 240
 tgggtggagcg agcatttagg gtattaaaat gaagtggaga gttctactga aaatgtcgtt 300
 ttacaaaata gaagatcaaa agatcatcgt tgcagctact atgtgtttgc ataactacat 360
 ttgagaaaac catgttttag ataaggattt tgtgaaatgt gatcggaatc ctaaatatgt 420
 gccacattt ctaaaaaggt atgctatatt 450

<210> 26746

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-E10

<400> 26746

cacggccaaa tatggtagtg attggctaga tgccaaggcg acatggtatg gcaagccgac 60

aggtgctggc cccgacgaca atgggtggcgg ctgcgggtac aaggacgtga ataaggcccc 120

tttcaacagc atggggcgcgt gtggcaacgt ccccatcttc aaggacggtc taggttgtgg 180

atcctgcttc gagatcaagt gcgacaagcc agcagagtgc tctggcaagc ccgtgggtgg 240

gtacattacg gacatgaact acgagcccat tgcggcgtag cacttcgacc tagcgggcac 300

cgcgttcggt gccatggcca agaagggtga ggaggagaag ttgcgcaagg cgggcatcat 360

tgacatgcag tttcgggaagg tcaagtgcaa gtatggatct aaggtcacct tccacttgga 420

gaaggggtgc a 431

<210> 26747

<211> 250

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-028-Q1-K1-G7

<400> 26747

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tgtttggaac cacctcaatt tctataaacc agtttcttaa aaactgggtg tttccaaaca 120

gggcctaagt cactgtagtg cttagccagt tgtaacttaa gagagtcttg ttaggttgcc 180

ttgtggccac aaaaaaaaaa acacaaataa aactgtgcat tacgaaaaac acaatgaaca 240

accacaaaaa 250

<210> 26748

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-A12

<400> 26748

gttcacttct ccaggtaagg aaagggttcg tactcatggc gccgccgag ccaaagtcgg 60

gcctcttcgt tggcatcaac aagggtcatg tcgtcaccaa gcgcgagctg cctccccgcc 120

cgtgccaccg caaggggaaa tcaacgaaga ggggtgtctat ggtcaggggc ctgatcagag 180

aggttgctgg gtttgctcct tatgagaagc gtatcactga gcttctgaag gttggcaagg 240
acaagcgtgc cctgaagctt gctaagagaa agcttggaa tcacaagagg gcaaagaaga 300
agagagagga gatggcgggc gtcctcagga agatgaggtc ggctggtacg cacactgaca 360
agaagaaata gagagcattt caagttcatg gagcctgcc a gagattatgt t 411

<210> 26749
<211> 251
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B12

<400> 26749

ggtttctgat gtgccacatc aaacaccaat gctataccat acatgagaaa gaccaaggct 60
tgccaaaaaa aacaaaaaca agagtcaaga acacagaaaa agaccaaata ccaaaacaaa 120
aacaataaac aacaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaacaggg gcggcccttt 180
taaaaaaccc aaatttacct accctgcatt acaacgtcat acctttatga tgcagtcccc 240
aaaattaaat t 251

<210> 26750
<211> 64
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-B2

<400> 26750

aaaaaaaaa aaaaaaaaaa aaaaaattta aaaaaaaaaa aaaaaaaaaa aaaaaacaag 60
aaag 64

<210> 26751
<211> 219
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-029-Q1-K1-B8

<400> 26751

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tgatggggttn tttttatttc ggtaaaaatt ccaaaaaaaaa atcgggtacc cgaccaaacc 120
ggccgtaaaa tgaccttcg gttttgattc cggtttccat taaaaatttc cattccgaat 180
ctggtttcca attattccgg taccctgaa ttcgaaccg 219

<210> 26752
<211> 158
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D5

<400> 26752

aaaaaacac cctaaattcc tcaacacaaa aatgtttata aataagggtgc acaccaaaaa 60
aaagtgatgg gttttcctaaa accccaataa aatcgtaata gcaccataa tcataaaccc 120
cttgaaaaac ctgtgatcgg atcaggccca acaaggac 158

<210> 26753
<211> 54
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-D6

<400> 26753

cccacgcgtc cgcggacgcg tgggaaaaaa aaaaaaaaaa aaaaaaaaat aaag 54

<210> 26754
<211> 117
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H10

<400> 26754

gattggcggc cggagcgaga ttgttgatgc cttgttggga ggaggagggg aattggagga 60
atatatccca acaagaattt gattagtaaa atcggacgcg tgggttctag atcgca 117

<210> 26755
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-029-Q1-K1-H5

<400> 26755

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cggcgccttc ttcaaccagt ccggcggcca gaacgagcgc aagtagcaca ggctcgacct 120
catccaggcc aagggcggcc agtacgccga gtcgctcacc aggtacgccg gcgcgctcaa 180
ctgccgcgtc ggccaggaagt gctagtgcgt gtgcagctct aggctgcagc tttcatcatt 240
ggcgatcgat cgtaacaatg caaggttgtg ttgtatataa ctcttgtgtt tggaatgccg 300
cccgtaatga atggtcaact ctaacactgc ttgcctttgc ctgccggcca gcaaaaaaaaa 360
aaaaaagaat tgaataaaa 379

<210> 26756

<211> 167

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-A8

<400> 26756

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tttatcagta cacttgtttc ctgcataaa aacttaccat tttggaagtt ccggaataat 120
ggactttggc tccaattaag aaaatacaat gtcacccctac gctatac 167

<210> 26757

<211> 317

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C12

<400> 26757

gtataggagc atactctaga taaatccttt attgtactgt ttccaaagaa acggacaagc 60
tatacattgc attcgggaatt attgaccata cgacagacga gtaattttcg acagatttaa 120
agcacgatgg gtcccagaag gtacccatga ctcttgagct atcatgccct cttgaacaga 180
acaactagga tgaccgctat ggtcagagcc atgaaggatc ctcccacagc catctctgtt 240
gcagaaaagc ccttctcaac tgaagggcct gtcceggctt gggcctcggc tgagtcattg 300

aacaagtccc tgaaaaa

317

<210> 26758

<211> 97

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-C6

<400> 26758

accacgcatc cggtgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaac 97

<210> 26759

<211> 304

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-D9

<400> 26759

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ggggcatgcc tcatagagcc gcggtactga aattcccctt cctctgggag gaagactgct 120

tccaagcacc aaaacacgaa ttcgacgtca caagtgtttc ctgcaatgtc tctgcgtcat 180

ccatgatcct gctggactac taacattcac atgcactagt cgtataaat ccagtgcgct 240

tttcatgtat aaatctgtac tgtggctcgc taaaatacaa tttggcaatg gtttatgaca 300

aaaa 304

<210> 26760

<211> 74

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-030-Q1-E1-G2

<400> 26760

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aaaaaaaaaa aaaa 74

<210> 26761
 <211> 435
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-030-Q1-E1-G4

<400> 26761

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 cagaaacgca atcaagtaca agttattggg tttggagggg tgattcgact tatggaaggg 120
 gacgaggagg acgagaaagg ggatgggttca gccactttg gggtgcattt gcaattctga 180
 ttggtggtct cttattggat gtgctgatat ctgtttttct tgggtgtttcc gcacttcctg 240
 tcaatataat aattggtggt cttatagttc tcggattggg caccgccctt catctagctc 300
 ttgagtgctg tcacgaatgg ggctcaagga ggaacgtggc caatattccg aggctggaga 360
 acatagcgcc gactgggtac caccctgcag tagtataatc gttatgggac ttgtaaatag 420
 cgtangaaca tctaa 435

<210> 26762
 <211> 116
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-D12

<400> 26762

cccacgcgtc cgcccacgcg tccgcccacg cgtccgaaaa aaaaaaaaaa aaggaatgga 60
 taataaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aatatataat aaatat 116

<210> 26763
 <211> 382
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F1

<400> 26763

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 tatacattgc attcggaatt attgaccata cgacagacga gtaattttcg acagatttaa 120

agcacgatgg gtcccagaag gtacccatga ctcttgagct atcatgccct cttgaacaga 180
 acaactagga tgaccgctat ggtcagagcc atgaaggatc ctccacagc catctctgtt 240
 gcagaaaagc ctttctcagc tgaagggcct gctccggtct gggcctcggc tgagtcattg 300
 aacaagtccc tgaaaaagtc ggtttatattg tggaccacat ccatcacttt cttcttcgca 360
 ttgtccacga aatctgcgaa ac 382

<210> 26764
 <211> 64
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-F9

<400> 26764

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaag 60
 gaaa 64

<210> 26765
 <211> 388
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-030-Q1-K1-H5

<400> 26765

gcagcattgc attaattaat gcaggtgaga attgtcgaat aatggaattg atacaccgat 60
 tttatcagta cacttgtttc ctgcataat aacttagcat tttgggagtt ccggaagat 120
 ggaacttggc ctccactaaa gaaaatacaa tgacatcata cgctatacac gatggttctc 180
 agatgacttg cctccgaaag aaacaagctg tctactcttt gcacagcggc caggagcgaa 240
 gcaaaagcaa aacatgctga tactgtgata caaacattt gacgccatta gcgcctgtac 300
 ccgctactag ccagatcaca tactcctcgt ctgcttattg gccgattgct ttccaacctt 360
 ctctcggttc tttcttgagc tcctactc 388

<210> 26766
 <211> 320
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-A6

<400> 26766

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ggttgtcatc accggcaagg gaaagctcga cgggcagggg ccagccgtgt ggagcaagaa 120
ctcctgcgtc aagaagtacg actgcaagat ccttcccaac tcgctggtga tggacttcgt 180
gaacaacggg gaggtgtccg ggatcacgct gctcaactcc aagttcttcc acatgaacat 240
gtacaagtgc aaggacatgc tgatcaagga cgtcaatgtg acggcgcccg gggacaagcc 300
caacacggac ggcattccaca 320

<210> 26767

<211> 293

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-B12

<400> 26767

caaactgaaa gggcaaggca gaaagagctc tggctcaacc tggggagggg cgtgatagca 60
tggctttgga tttccagata gaagagaaca gactcaaac gacaccttat agcgatcgct 120
gcacttaatc cttgttccat ggcgagcaag cctcaagctt attacccttg tttgtcagcg 180
ttgtgtaaaa actgtaaccc ggatgctgtt tcttcttctt cttcttggtt ccttcttttt 240
tctgagtcgt cctttgtgga ttcaaataat aaataaagtc ttgtaaaata aac 293

<210> 26768

<211> 64

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-C10

<400> 26768

cttgttcgca caaaaaaaaaa aaaaaaaaaa tttaaaaata aaaaaaaaaa aaaagaaaaa 60
agag 64

<210> 26769

<211> 70

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-E12
 <400> 26769
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ttataaaaaa aaaaaaaaaa aaaaaaaaaa 60
 acagaaacgg 70

<210> 26770
 <211> 256
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-F11
 <400> 26770
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 agagaaaggt aaaaaaaaaa aaaagaaaaa aaaagcctgc ctatttatat gatccaagct 120
 ttcatccct tgcacgcgac ttcttacctc ttctctagtg ccacctaact tcaattaact 180
 gccctcctt taacaacttt taaactgtga aaacccttac tttccccaac ttaatatcct 240
 ttcagtcac cccct 256

<210> 26771
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-031-Q1-K1-F8
 <400> 26771
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 catgatcccc atcgtggaca tcggctgcct cctcgccgcg cacggcgccg cggtcacgat 180
 catcaccacg cctccagct cgcaactcgt ccagagccgc gtggaccgcg ccgggcaagc 240
 ctcagcgggg gtcacggtca ccgcgatccc gttcccgggc gcggaggccg gcctgccgga 300
 cggtgcgag aggacggacc acatcccac gctgacctc gtgcccaact tcttcgtcgc 360
 caccgcgagg ttcggcgagg ccgtggcgcg gcaact 395

<210> 26772
 <211> 419
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-031-Q1-K1-G2

<400> 26772

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 cgatgcgggc acaggttgcg atggctgtgg tgttggtgtt cttggtgagc ggcgcatggt 120
 gcggtcctcc caaagtcccc ccaggcaaga acatcacggc cacctatggc aaggactggc 180
 tggacgctaa agcgacatgg tatggcaagc cgacgggtgc cggccccgac gacaacgggtg 240
 gtggctgcgg gtacaaggac gtgaacaagc ccccttcaa tagcatgggc gcatgcggca 300
 acatcccat cttcaaggat ggtctgggtt gtgggtcctg cttcgagatc aagtgcgata 360
 agcctgtgga gtgctccggc aagcccgtgg tgggtgcacat cacggacatg aactatgag 419

<210> 26773
 <211> 345
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A12

<400> 26773

ccgcgctgtg gagcggcgga gagcaatcct tctcttgtca ggcacgcctc tggcgctctt 60
 gtggaggagc cgcgtgccga cgagccatgc agatacgggg taacaaccta accgacatgt 120
 gctgactcgt gatcaaagca agattatagt tcaagttgga atcatggcac tgtagtagat 180
 atagagctat cacatagact tggcgcacga atctgactgc ggctactatg gcaagcgctt 240
 tgacactgcc tttggagact tcaccgagaa gatcgtcaac attggtgctg caaatgcccc 300
 attccaggtc cttgcaacgc taagaggcca ctataggacc gcgtg 345

<210> 26774
 <211> 325
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-A8

<400> 26774

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gatcggttga gagtacacat gaatcaacaa cccaagacac acacacacac tctcccaact 120

ggcgactcgc gtgcgtgaag cgatcaaaac acaccaaga tgaaaatact ggtaaaattc 180

aagtacaaga agcgatgaac tggatatatat tattatgtat cactccggga ccggggggcgg 240

caacacgcgc gcggccggcc ctgcagccgg aggagctcag ctgaagaggt acccaacggc 300

ggccacagcg agcgtgccgg cagcg 325

<210> 26775

<211> 279

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-B10

<400> 26775

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ttgatttgat gactgtttcc caatacgtat gcacggatat atacttaagc cttgatactg 120

ctattcgggtg agcaattgaa ctctctaagc atgtactata tctcaaaaga aagtatggca 180

ggccgcattct atgaagtaac caagacttat cgtacgctct gcatgctatc gtcataaggct 240

cttctattct gacatctcaa ttgaattaac tgtccaacc 279

<210> 26776

<211> 189

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-032-Q1-K1-F10

<400> 26776

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ctatgcgttt gagccggcat cacgctttga cgatccgtat cactaagtgc gcagcgtgta 120

ttgcatctga tccgatggct cacgtactac cctcatatca gacgctatca gtataacaac 180

gtgagtgggt 189

<210> 26777

<211> 57
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-G12

 <400> 26777

 acaacagatt atctctacta taaggccacc taaattcaat tcactgaccg ccagatc 57

<210> 26778
 <211> 305
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-032-Q1-K1-H12

 <400> 26778

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 ggtgaaggat catacgagcg tcggcttggtg ttgtggtcga ataaataatg cgtctgtgtg 120
 ccgatcccggt gtcggggttag tgggcccact gtcactgctg atgtggcctg cttttacagc 180
 acatcgatgg agctggaccg cagagctcat gtgtcgatta aatatatgag tactctgaac 240
 tggaccaact attatgtagt gtcagtgtgt agtaagcata tttgtgtcca caacaacaat 300
 gatgc 305

<210> 26779
 <211> 327
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-A12

 <400> 26779

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 caagtttatc cttccgtatg acagaattcc agcttatggtt ggaacacttc taagtttgtg 120
 ccgcaatcaa cactgcacat ctcatTTaaa aaacgaaggc ctaatagatg tagaaattaa 180
 actaaaatct gaaagcttca caaaatgttt gtatccgctc ctctagcatt tttggtgttg 240
 taaaccacac ctctggttac cttaactaga aacaagcaac taaccctgat attaacttga 300
 catcaccaat tcacagtcac gcacctg 327

<210> 26780
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-A2

 <400> 26780
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 gcccggtgtca agcacgcacg cactatataa aatacactta tatacatata tgacgtgtac 120
 tacgacaacg acgaagaaga atgaacagct agcagacgta ccggcgggccg attcacaagt 180
 gtacagaaaa cgatcgactc cactccaact atacatatcc tactatggct tttgctacaa 240
 cccgatggat cagaaagcat gcatgcatgt acaggcaggc atggccatgg cgatgcctgc 300
 aggctgcaaa cgaatttgat cagatggctg acacctttgg gacggcgacg gggtacctat 360
 cgatgtc 367

<210> 26781
 <211> 367
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-B3

 <400> 26781
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 gcatccgctt tgctgtcaag tccggtggct accgcatcgc tgacgacgac atccccgctg 120
 atttcaaggc cggcaccacc tataagacca cactcagcat ctaatcagcc tctgatgatg 180
 aattatattt caaaagagct cacctggtgc tcatgttagc aagacaatat tttttctatg 240
 gttattttgt ggcaccaaac cacccaagaa atatgtgatg ctacatgtcc cttctgatgc 300
 cttgctgtgt tgggttgata ttattacata aactaaatca attatttatt taagatttta 360
 aaagaaa 367

<210> 26782
 <211> 296
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-B5

<400> 26782

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atatttattga cactcgtcag actgctcttc attccccgtt gctgcattag ggcattgcccc 120
cgtcatgtag cagtatttga tctgcttctg cttcatgggt ccacatcctg gtatctttat 180
tccataatga tatatatatt aattaacaaa ctaaaacatg tattttatttt acggggtttgt 240
cgacggatga gcttgctctg gcttgtgcat ggatggaaga accgagatca gctgac 296

<210> 26783

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-E7

<400> 26783

gagcaccacc accaccacca gtacggggcg cctccgccgc agccgatgta cgcgtcggcg 60
tacgggcagc cgccgccgcc gccgccgatg taccagcagc cgtacggaca gccggtgtac 120
gcgtcgccgt acggccagcc gtcgccgcca ccggcgatgt acccgccgcc gtacgcgcag 180
ccgccgcctc cgccaccacg gaagaccggc gcacgttctg cggaaggatg ctgtgcaggg 240
tttgccgcaa tctgttgctg ctgcctcatg gacgcgtgct tctgatcgtg tggtcgacca 300
caagcccaag atacgacgtc ttacttctgg cctgggtcag ggtgcccac agcgaggagc 360
tgagatcaac caccgtgttg agcagctggt ggt 393

<210> 26784

<211> 93

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-033-Q1-K1-F6

<400> 26784

aaaaaaaaa aaaaaaacaa aaacaaataa aaaaaaaaaa aaaaaaaaaa aaaaaaaag 60
aaaaaaaaa aaaaaaaaca agaaaaaaaaa aaa 93

<210> 26785

<211> 178
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-033-Q1-K1-G10

 <400> 26785

 ccacgcgtcc gccacgcgt cgcaccaagc gtccgtctag atcgcggtg gccacgcatg 60
 cgatgaccat ctgatatgga cggaactata tattgtattc ctattaatct ggcattttct 120
 aagctaattg ttttttttcc aaataagaaa aacaagaaaa aaggacaaaa gaaaaaga 178

<210> 26786
 <211> 389
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3066-034-Q1-K1-A7

 <400> 26786

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 atgtgcaacc agacgtgagg ccagacctac aagggcgccg acgacggcgc gcccgcttga 120
 tcgaccggtt gttcatcggc gcgcggattc aggtgcatat taagatcatt ttcaatatct 180
 tatacaatgg ttacgtcagc ccatacatga gctcatgaat gagctcattg aatgttctac 240
 ttatactata gcatatacta gatgctagcc ttgggtgctca tacatggatt cactcatcta 300
 tccactaatt cctaccataa agtgagatga cctatgtgta gacatatata tgcatgaata 360
 tatgcattaa acagnatttt aaaagggcg 389

<210> 26787
 <211> 345
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-F8

 <400> 26787

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 tacggagaaa ctacatttca cggagtagta aataaacagg gattaattag cgccgtgtgc 120
 atgcatgcat acggcggttg gctggccgac atgatcataa caattaatta attaattaag 180

gcgaagacac gaagcgtgga ggatcgatgc gtccccgccg ccgcagtatg ttttaagctg 240
acttgccgta gatgtgttgt ggctgccgg cggcggcgtc cttctgggtg tctatgacag 300
tctcgaaaagc gccgacgagc gccttgacct tgctgcactg gcgct 345

<210> 26788
<211> 345
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-034-Q1-K1-G12

<400> 26788

attccgaagg acccatttta ttccggaaac agatgcccg gctttctccg ggtcctctga 60
tagaagcaaa cataggttca cagttcagac ttgacttaca aacagtcgca caaacatac 120
agcactctgt tctaactcgg gacacgaaat cctctctttc tctctccctc tccctctccg 180
ctcactgcct caatctagga agactgccgg agctccgggc gcacaaagtc ggcgttgga 240
ggcacagaga tgcgacggg gggcctcagc tcggcgagc cctcaatggc accatggaca 300
gggtccgaca agaagttgct gatgaggtcc tgggtgatcg gggcg 345

<210> 26789
<211> 345
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3066-034-Q1-K1-G6

<400> 26789

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tatcagtatc aacagtcgag aatttcctta gagttgcaat aattatatcc ccaatagctc 120
aattgaagca atttaagcaa caaggacaat ggggagccgg acgtttccat aaccataata 180
acaagggttaa ccttgtatag taagaattga acctttggat ctaacaacaa acaacacatc 240
caccggatga ggaaggattt cacctttgaa gccaatctc acaccgcgga aggttcctcg 300
acgtccctcc cccgttcgcc gncaacgcca ccgagcctgg gcaca 345

<210> 26790

<211> 86
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H3

 <400> 26790

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 aaaaaaaaaa aaaaaaaggg ataagg 86

<210> 26791
 <211> 189
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-034-Q1-K1-H5

 <400> 26791

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 ggtcgatcct atgctctctt gttgcaggat tcaagtttgt tgttgctcgt tccttcctt 120
 tggcaaaaaa aaaaaataa taaataaaaa aaaaaataaa aatgaaagta aatttacaaa 180
 ttagaaaat 189

<210> 26792
 <211> 65
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-C11

 <400> 26792

 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa tttaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 60
 agggg 65

<210> 26793
 <211> 134
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-G6

 <400> 26793

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 atgttcgacg gtgtaacacc ctgaatttga gggataaaaa tttcttctct aaataccaac 120
 caaattcagg tggt 134

<210> 26794
 <211> 303
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-G9

<400> 26794

cccacgcgtc cgctcttggg gctgatcacc tcaccgcggg gcagcctgtg ggaccggaac 60
 gctggcttca tgggtgaggg tgctacactc gagacagtca ctctattcc ttatgatgag 120
 gtcaacgatc tcaagggcgg ttactagaga gaattcttgt accttcagca gttcaaacga 180
 gctggcaaac ttatctgaat ctttttgata attggctagt tcttctgttc tgggtgttatg 240
 aactcatgtg gctattgctg ctggcgtaaa aagattcctt ttattgccat ggttgagata 300
 aac 303

<210> 26795
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-035-Q1-K1-H4

<400> 26795

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 cactgctaag ggagagttgc ctgaaacagt ttattgcttt gatggtgtct tctataatta 120
 ctttagcata ggaatggatg ctcaagtggc ttatggggtt caccaattac gtgatgaaaa 180
 gccatttctt gcacgcgcac cttcatgtac tacggcaatt tacgcaggat atacctgcaa 240
 gcaaggatgg ttctttacac aatgtattag tgatcctgag ttaaggggat tgaggaacat 300
 tatctgttta tcaatcaaga ggatggacag ctctgagtgg gagaacattc ctgtcccatc 360
 gagtgtgagg gcaatcgttg cattaaatct tcacaattat gcaagtggaa gaaacccttg 420
 gggaaatttg aagcctgaat atttgagaaa aag 453

<210> 26796
 <211> 249
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-035-Q1-K1-H7

 <400> 26796'

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 ttgaagcatc gacaagttac tagtcattgc ttacttatat aagaacataa gtagtatttg 120
 ctattgtcaa gtgtgccttg cttgatgcaa gttgtgtttt cgtatcatta ttattatgca 180
 cggccatcgt acgtgtatgg cttgtatggg ttattgccaa ctttaataaaa gcacactctg 240
 tttgcctat 249

<210> 26797
 <211> 325
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-C2

 <400> 26797

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 agtatcacag cagctgaaca tcaaaccat ctctgccag gctctgagca aacgccaaag 120
 ccttcaacgt ggcacctacg taccgtaccc cagtcacca cctcacacgc tacctcgctc 180
 gcagtcgcag cttccgctgt acgcacacta ctgcgcggtg cacgcaccga cgacacggtg 240
 gcgcagctta tgtatgagta agtataggga ctcggcatac acgttgtaat tgcagcgtgc 300
 caccctgtct agcgatcgaa cacag 325

<210> 26798
 <211> 299
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-036-Q1-K1-E3

 <400> 26798

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tgatagccac ttactgataa cccctggtga caatcttgtg agattatgct tggtgagcac 120
 caccctacca agtggcagtt gctggataaa ctacagccta taagcggccc cttgaacaac 180
 atggccttct taactgggac aataacatcg cggaaccaac gtcagacggg tattcacatg 240
 ctaacttact ggtcacctaa cattacaggc gaaactttta tctttacaat ggctggggcg 299

<210> 26799
 <211> 265
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-036-Q1-K1-F8
 <400> 26799

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 gattgaaaaa gactgataag gccattgctt ttacacgacc agacatacca acacctgtga 120
 tccatagtcc ggaactgtca caggagtatc gtctgcctct gattgaatgt aacagtgcaa 180
 aatgctccac tacactctct ggcagaggca caccgttagg gctacggcct tctaggctgc 240
 agcgagctca ttggcgta ca gttttt 265

<210> 26800
 <211> 455
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-037-Q1-K1-B1
 <400> 26800

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 aatttgaatc attaagatcg tcatatgagg agagatgtaa gttgtagaa tctaagaagg 120
 aagatgtagt taaacttgtc gcagacaagg aaatgaatga caacatagtt ttgcaactca 180
 ggcaacaact tgaggcaaca aaaaagttcc atgaggcaga gacaaaagag aaggaggatt 240
 atagaaatat taatatgaaa ctttaagcagg aattcgaatc attaagatcg tcatatgagg 300
 agagcagcaa gttgtagaa tctaagaagg aagatgtagt taaacttggt acagacaagg 360
 aaacgaatga caacataatt ttgcaactca ggcaagaact tgaggcatca aaaaagttgc 420
 atgaggcaga gactcagcaa ttagagacca aagct 455

<210> 26801
 <211> 143
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-B11

 <400> 26801

 taattattta actatTTTgt atagaactcc attatatatt aaggatgtga cgTtcatttc 60
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaacaaa 120
 aaaaaacaaa caacaacaaa aac 143

<210> 26802
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-037-Q1-K1-H11

 <400> 26802

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 agctTTTtatt agtatagtac gtactagctg tagctgtagc gagtacgaaa aggtagcgaa 180
 accctgctgc tcggaggaag tacatctgac atataggagg agcacaagag agcaggccat 240
 catccagccc acacacggcg gcgaccacag gccgctcttc taccgttggt cggacccaaa 300
 acgatccagc gtcacatcac atcacagggc acagcgagtc agcgaccgc accgagaaga 360
 gagaagacct cgctcgcgct ctacaagaac gttccggggc tcacagagcg cgcccgcgtg 420
 gcttaacacg ccg 433

<210> 26803
 <211> 386
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3066-038-Q1-K1-A12

 <400> 26803

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catggctatg gctcgctccg tcgcgcacct cttctttccc atcctcctta tctccaccgc 120
 gcccgccgtg cgggccatca ccgacgcgcg cggcggcccc ggatacctcc aggaggcgtg 180
 caacaagacg ctgttcccca aggtgtgcat gcacgcgctc aaggacaacc cagagtgccca 240
 ggcgagacg gcggtcaccc cgcgcgggct ggccgagctg ctcgtgtacg tgtcggccga 300
 tgtgggcatg accgtggccg cgttcgcgca ccacgagctc aacgccatca aagacgacga 360
 cgttctgtac aagtgcacg acacct 386

<210> 26804
 <211> 178
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-A7

<400> 26804

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 attagaattt tcatacaggg ctggcctttt gagtctctgc ctacgcacgc agatgttgtg 120
 gttcttgtgt ttgtagccta tatgtactcc ctgagtcgat tatagaaatg tttatgcc 178

<210> 26805
 <211> 282
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B3

<400> 26805

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 gcgggcccga catctccgtg aagggtccg acctgatcga ggagatcaag acggagctgg 120
 acaagaattg cccgaacgtg gtgtcgtgcg cggacatcat ctcggtgagc gcccgcgact 180
 cggatgaagct gacagacggg cccgagtacg cggtgcccct tggacggcac gactcgctcg 240
 tgtccaaccg tcaggacgcc gacaacctga cgggcccga ca 282

<210> 26806
 <211> 279
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B6

<400> 26806

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gcgaatgaaa tcaaactgtg tgtttttagc ggtcaagtga ttgtacgaaa tgtaaaaaag 120
aacgaatcca gaacagcagc gcgaaaaaaaa aaaacaattc acgattcttt cgagtcactg 180
caaaaagaaa attgtaaatt ggtagcaact cgtttcttgc ccttggtggc aggattgaat 240
aaactgatcg atacggggag ctgttcaatc gaaaaataa 279

<210> 26807

<211> 77

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-B7

<400> 26807

gaccactcg tccgaaagaa aaaaaaaaaa aaaaaaatt aaatttaaaa aaaaaaaaaa 60
aaaaaaaaag aaaaagg 77

<210> 26808

<211> 323

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-038-Q1-K1-D9

<400> 26808

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gccgtcaccg ttcagctcca aactgtctca ccaccccgtc tccgtgccca ccacacctag 120
gttgctctta tcgtgctcgt cgttcggcca catggtgacc acgtccactg acacaccgctc 180
gatcacgccc accaagaagc aggacgacat gccgaagccg tcgccggagg ccgtcaccgc 240
ggcgaactac gcgtcgatgt ggtcgcccaa gcgcctcatg cagtgcgctg cccgcacttt 300
ccgacgcagc acgtcgtgcg ccc 323

<210> 26809

<211> 203

<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-H12
 <400> 26809
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 ccattttcac ctgctcaacc aagcccaaca ccctttacgg gcaagcccca gcttaagcct 120
 ctctttacac acccaaagtt gcgccccaaag ccactccaat ctccgttgat gttgccgctg 180
 attaacaagt aactgaaaaa gtt 203

<210> 26810
 <211> 127
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-038-Q1-K1-H9
 <400> 26810
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 gtgcgtccct tgagcactgg catcgcgtct catcccatgg agacgtactc gtagttccat 120
 cggtcaa 127

<210> 26811
 <211> 333
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-A4
 <400> 26811
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 tcgccgtggc ctcaccggct gctctggctg ccttcgatgt gatagagatg ctggccgaca 120
 agcccacgta ctccacgttc ctgaagctcc tgcaggacac caaggctcgc ggcgaggcga 180
 atcagctccg gtcggcgacg ctactggctg tccccgacaa acttgccaag cctctggcgt 240
 cgctgcccgc cgataaagtg cggccggcgg tggagaacca cgtccttctc agttacttcg 300
 accccatcaa gctggacgag atgaagacac gca 333

<210> 26812

<211> 55
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-040-Q1-K1-C11
 <400> 26812
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<210> 26813
 <211> 259
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-C6
 <400> 26813
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 acatttaaca aaggcgacag ccaccacgcg aacccagcc gtgtacctac tgggggcggc 120
 tgtcgcggca ctcttagtca cgcctgctgc cgtggacgca acaacactgg cggcaatatg 180
 gaggggaacc gcttttccag acatcagcac caccacagtg gggaccaagt cccagagctc 240
 cgggttctta gacaccatg 259

<210> 26814
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-040-Q1-K1-G10
 <400> 26814
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 aagtcgcccc tggggctgtc gcaccacgtc ggccgcgccc tggagcgcg cgagctgcag 120
 gacatgctgg accccgccgt gcccgactgg cccctggagg aggcgcagt cctcgccgaa 180
 atggcgctcc ggtgctgcga gctgcgccgc aaggaccggc cggacctcgg cgccgtcgtg 240
 ctcccgagc tcaaccggct gcgcgcgtc ggcgaggaca acatgcagta ctgcggcgcc 300
 atcatcaggg ggggcagcgg cagcggcngc ngcatgcaca gctcgtcgcc gttccacagc 360

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395

<210> 26815
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H11

<400> 26815

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cgttcactga taggtggtgg tcctcatgta ctagatctca cgctgcagg gcaggctccc 120
taacatgggt cgtcgcatcc tcatggtact cacggtcgcg ctctcgctc gcggcgcgga 180
ggccttgatc tgcattctacg atcggaacc cttccgagag gtatacagag cctcctactc 240
tctggcccat agtattctgc cagtcattctg ctcccgaacg aagggaact cggtacagag 300
cccccc 305

<210> 26816
<211> 70
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-040-Q1-K1-H6

<400> 26816

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aacttttaaa 70

<210> 26817
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-042-Q1-K1-B12

<400> 26817

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cgtttggttg gttgttcggt acataaatgc agactcgtct cgtgcaaaat atcacctca 120
gccaggcccg tccgagacgg tcgccaagca cgtagtgcaa cggcacgtaa aaagaggaga 180

gtttagctga tgttattctc tgctatatct cttaattaga atattttaatc acagtactga 240
 ttttatatct gtgtttctgg ttttttttaa acaaaactag accacatata ttgtataata 300
 tttaaagatt ttttgtacaa tcttatctaa tacacgttct gatacagaca accaaacacg 360
 agctatt 367

<210> 26818
 <211> 312
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-E4
 <400> 26818

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 aggatggcat ctcgagcccc atagcagcgc acatctttga cttctgagac aatggcagcg 180
 gcggcgacct cttcacggcc gtgaacgtgg cctcagacct gttcacggcg ccatcagagg 240
 atgcctcgtc gtcgtccgta gtgacgacgc ctttcgtgcc ctgcggccac ggcgactaca 300
 tgccgttggg .ca 312

<210> 26819
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-042-Q1-K1-F4
 <400> 26819

catgcatgca tgtatgcatg cgccgggggtg acgtggcggt cagctcaggc gctgagcgag 60
 gctatacgta cgtcgtcacc ggctggccac gcatgcgata accatctgat atggacggaa 120
 ctatatattg ttttctatt aatctggcat tttctaagct aattgttttt tttccaaata 180
 taccgtcgat ggaactccaa atgtaatgtc acgcaaagt gtgtttttca tcgattgaat 240
 ggataataat aaaaaggcat gctggcagtt actactagaa aag 283

<210> 26820
 <211> 103
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-A8
 <400> 26820
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 aagggaacaa atataaataa taaaaaaaaa taaataaata aat 103

<210> 26821
 <211> 435
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-043-Q1-K1-C7
 <400> 26821

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 cgaggccgcg gcgccatgcc ctccggcacc ggctacgtcc gccgcggccc cgccccagggc 180
 tccgccgacg ccgccaagcc cctgcgcaag cccgtcttca ccaccgtcga ccagcttcgc 240
 cccagacac acggtcacac tctcacagcc cgcgtcattg ccgtccgcac cgtcctcgac 300
 aagccctcca cgcacctcgg ccgcacccgc gtcgccgagt gcctcgtcgg agacagcacc 360
 ggcaccgtcc tcgtcacccg ccgcaacgaa cagggttgacc ttttgaagcc agatacaaca 420
 gtgatcttcc gcaat 435

<210> 26822
 <211> 413
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 <400> 26822

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 cgccgctgat gtggtggagt tcaaccaca gcgtgacacg gtagatggga tgacagccat 180
 ggtcgccgcg aagctgggtc gggagctcac tgctaagatc tccaagtgaac acggtcagga 240

ttgcaccact cttcttgaag caaagcgaaa ggggtgggttt tgatgtcccg gtggttattg 300
gtcatgggttt ctatgtatcg agcaccaaatt tggtcgacat gtgacagggtt tatatgttaa 360
ttaggttgca ataacacccat aatggtttat ttaaaaaaaaa aaaaaattna aaa 413

<210> 26823
<211> 266
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-F12

<400> 26823

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cgatccacac gtcaacacac aaaagactgt gaaaatagat tacggagatc actagaagct 120
agcggaagac tgtttggcat ataggcctta ctctcgctaa ttcacatatt cattgccctt 180
atcacaatcc tacatcaact gcttacacta cactcaaaaa cctctttaat ctatgtaata 240
acgaacagcc ttttctatac actctg 266

<210> 26824
<211> 279
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-043-Q1-K1-H4

<400> 26824

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ttcagttacg atgaccgcgt ttagttcagt ttttttttg ggggggttg ttcgatcatt 120
tggtgttagc gtgaatcgca tggacaacag actccaatta ctaagcaaatt atttttgttc 180
tgcatatatt ggaagaacct tggtcaggcc cccctttcga aatgaaatgc gtgaaatttt 240
gttcttggtc aaacaagggc tctgcgtgct gcaccgat 279

<210> 26825
<211> 351
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-A7

<400> 26825

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gagctccccg acgagctcgc cggtaagcga gagctgctgt cccggacgct catggggatc 120

gacgaggcgg ccaccgaggc caagcgccag cttgatgagg cgacgacgga gaacaccatg 180

tccggcgacc acaggggtact gaccacgggc ctcatcgga cgttcgatga gatccaagac 240

gggcgcagcg ggtgcgcgc cagcgacttc cccaagtggc tgccggccac ccagcggagg 300

ctcctgcagc agaccagaa gcctaacacg gtggtcggcc aggacgggag c 351

<210> 26826

<211> 222

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B10

<400> 26826

cccacgcgtc cgcttttttc ccctagttgg aagttttctt actcaattga atgaacgagg 60

gaacttattg catactatca aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120

aaaaaaaaaa aaaaaaggac ggacaatata aaagaatcaa gctataagaa cacatgcatg 180

caacgtcata gctcttaata tagtgttacc taaattcaat ta 222

<210> 26827

<211> 237

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-044-Q1-K1-B9

<400> 26827

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gccggaaccg gaaaccctag aacatattta tatacgtacg tatccaacag cagcacatac 120

atatacctgt aaggaaatta aaataattcg atatattccg tacccttgg aaagaccttt 180

ttgcatccat ctgcatgcat attataatct atattatatt gatgtagatc ccggccc 237

<210> 26828

<211> 83

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-C7
 <400> 26828
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 aatgtatcac attttcatat tta 83

<210> 26829
 <211> 339
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-044-Q1-K1-C8
 <400> 26829
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 agtaacacag cagcagaaca tcaaaccat ctctgccag gctctgagca aacgccaaag 120
 cctccaacgt ggcacctagc taccgtaccc cagtcacca cccacaccc tacctcgctc 180
 gcagtcacag ctccgcgtgt acgcacacta ctgcgcggtg cacgcaccga cgacacggcg 240
 gcgcagctta tgtatgagta agtataggga ctgccatac aggtagtcac cgacgcgtgc 300
 caccctgtct agcgatcgaa cacagtcgac ggggaacgc 339

<210> 26830
 <211> 359
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-045-Q1-K1-B6
 <400> 26830
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 gggtgcatta ttgctgatag catctgttcg ttggccagat gagtagagag ctgaaaaaat 120
 gttaagaaca ccatagagag aagtccatcc gttctctctc aacttaagga gcaaacagca 180
 acacttaatt ttttttctgc tttactgttt attagtcgcg ttacatttgt gaacagttat 240
 tgtaatatct ttttttaact ctgtattcgt agtgagatga aattcgtgtg tgggcaacaa 300
 aaaatacaaa gataacgaac gaatgcatgc aacgacataa caataatata gagaaaact 359

<210> 26831
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D10

<400> 26831

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 gtgatgggta ccaggatgag aaacggatta tgaagatatt agtttcattt tcatccatga 120
 atagaagcta aaagtggat catatctatg aatgggtttca attgcttttc tgttacaacc 180
 acattatttg ctatatacga ttcacagtac ctgccagttg attccattgg ttgtttctgt 240
 aaaacaaata tcaatttgtc actagaatct gtgatgtttg tatgtaaaca ggtactctat 300
 tcatgtgaga catatatgtc ttttctatca caatgaagat gtcagaa 347

<210> 26832
 <211> 315
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-D11

<400> 26832

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 ggggcgtgtt catcacatgc aactactatg ccacggacct caagaagaag aacaagaaga 120
 agaagaagag caccaccaac tgaactcatg atttccagct agcttcttcc agttttgagc 180
 caagcatgga tcttgtacaa ttaattgatc tcagtatacc ttcaaaatta tcatcactac 240
 aatatataat tcgccaagc atagatatat aataatcaat cagttcatcc aaaataaaaa 300
 gcgctcaccg taaaa 315

<210> 26833
 <211> 465
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-045-Q1-K1-G10

<400> 26833

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caaggtgacg ccaagcgggt acgagtgggg acgcagcaac aaggacaacg gaagcaatcc 120
acatggatac cttccaactc actacgagaa ggtccagatg cttctgagcg accgcttcct 180
tggattctac atggttccgg ataacgctcc ttggaacttc aacttcattg gagtgaagca 240
cgaccacag atgaagtaca acatgaagct gggcatgccc cgggacttct atcacgagga 300
ccacaagcca acacacttgc tcgagttcag caacattgaa gatggtgagg ccgctgaaag 360
cgatagggag gacacattca cgtatgcgcc tgtagaagaa tgctctgttt taacggcagt 420
gtgtgtagct gtaaactgac ttgacgggtg tcatctgttc gcctg 465

<210> 26834
<211> 327
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3066-045-Q1-K1-H4
<400> 26834

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gttcggcggg ccgagcgtgg tgcgcgtgtc ccagtgcgac gggccccact gcttcgccgt 120
gacgcgcgcc gccgcgggcc cgttctgcgc cgacgtgctc cgcgcgatgc atcacgagcc 180
cgaggtgatg tacgaggtgc tgaagcagag gaccgacggc gccacggccg tcgtcctcgc 240
ccgggccttc ggcgcaatgc cgtacctggt gttcgacccc gaggccgccg tgatgtccgg 300
cggcgagagc agcgactcgg agcggtc 327

<210> 26835
<211> 366
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3066-046-Q1-K1-C7
<400> 26835

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gtattcggtg gacccatgat ttttcgctca gtgaagcata cgctgtggga ccaggtgccg 120

aataggccaa gactacagct ttcaagaact tgtatatttac aaactatcca tccatcttga 180
 gtgaactcag ccgtcttggt ctttgatcaa gctcagccag gacaacagtc tcttgctttt 240
 tcctttcctt tgtgattgga tttgttgga ttgaaccaat cttgtcaaac gcgaatgtca 300
 agagttcatc agggtcatat agatgatgtg tggttgtttg caaaccacg cgtncgtaga 360
 tcgcga 366

<210> 26836
 <211> 87
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-D1

<400> 26836

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 cggacgcgtg ggctagttct agatcgc 87

<210> 26837
 <211> 176
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-046-Q1-K1-H8

<400> 26837

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 acgtagcatc tccttgtaac catatataca tgcccgcgct atctatgagc attgcagaca 120
 ttccgataac gaacgttctc atctcaaaac tcttctcctg atcctggctc accggc 176

<210> 26838
 <211> 219
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3066-047-Q1-K1-C12

<400> 26838

acgcaataat ttactaatc aaatacttgt tgcgatatat tcaccaatt ccactcacgc 60
 gtcctgagca agcaacaaca atatgttccg gccgacaaac aaaaccaaaa aaaaaacaca 120

ctgaacccaa taatcccact ccacaaaaac ttttatctca agccattcga tcgatcacag 180
 ncgtgtcgtt ctgcagacac cattaatacc cagaaccat 219

<210> 26839
 <211> 300
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-C4

<400> 26839

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 accactttaa acccatcatc ttcaatgtct cgtacaatcc cattcccaaa aagcattccc 120
 aacaaatgac tgcgatatca ttaataccca cttcgagttc aacaaccac ataacaccaa 180
 cagtagcaaa ttcattatac ccttcaaata catccacacc caccacatgg ccttcctatc 240
 acattcatgg tcaacatcca ccaaagttga caaacgatct tcaaaatcca aacttacata 300

<210> 26840
 <211> 337
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-047-Q1-K1-D4

<400> 26840

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 tcgctctgtg tcagttgtta gtgctgtgtt catcctctgc tccagcagac ccatgcatca 120
 accagcatgg actgcggatc gatgggtgct gttacccccg tcaggcttta ttctaagtta 180
 aatcctaagg aaaaaaatgg tgcttcttgg tgctgcaaaa tggttgtgct catttgaaaa 240
 actacatact ctcgctttga gtgcgaatca aggcaaaggt tgccagtttt tcaaacagct 300
 aatagcaaca gctgattaca acaaacttat gccataa 337

<210> 26841
 <211> 131
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-A3

<400> 26841
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 ttagtgctgt actaggatcg attcaccgtc tgtccgateg aggcattccg ccaaaaaaaaa 120
 aaactgagat a 131

<210> 26842
 <211> 131
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-B2

<400> 26842
 acggctcatg acaatggcga atttggcatg gaactgggtt aaccttgctg aaaaaatgga 60
 actggggaaa caaaaatggt aataaatggt tctaaccaa aaaaaaaaaa aaaaaaagaa 120
 aaagaaagaa a 131

<210> 26843
 <211> 312
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G10

<400> 26843
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 atcacaggct acgcggtctg taattaatct acatacgtct gccttcaatt actgaatctg 120
 cacgttgata cccatgatat gtcagactgg tcaaagagc ttttcacaaa cgaagtcctg 180
 atctgattta atcatagatt taatgccata ctctgtatc tacttatata ctttgtctac 240
 cactaaccac ctttgtttgc caatgctcta ctgctctcta tactacttat atactgtaac 300
 gagaacatgc gt 312

<210> 26844
 <211> 244
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-048-Q1-K1-G11

<400> 26844

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aaggctagaa ctgtagagcc atgcatgctg ccggatcgga gagccgtggg ccatggaccg 120
atggcgtctc tctccccgc ttgttttcgg cctctcgtat tttggctgta gttcttgctc 180
tctcgttctc gtggaatgaa acacgtacgt atggattatc ctaccagcag atcgactaag 240
aaaa 244

<210> 26845

<211> 359

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3066-048-Q1-K1-G5

<400> 26845

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atgccccagc gcgtgccgct gatttgatgc aagtatgcgg ttttaatttg taaatcagag 180
tcgaccata ctacgcgaca cccagtatca attttcactt gtaatgaaaa attacacatg 240
tactcatttg ttgtacacaa acaaacaaaa aacgttagaa tataagagga tgtttctcaa 300
tcgatcgta gacagaatga atactcagat tcctcanaaa aaaaaaaaaa acagatcaa 359

<210> 26846

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B5

<400> 26846

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ataacacctc gagtaggagt tgaagtacat gatcattgat ggtatatata tagaggaagc 120
atgtctatct aataagtccc tcatccaaaa ttgttcttta tgtcatgtat atgtacgtgc 180
atatatatat atataaaaat acgtctcctt ttattaagtg tctttcgctt tcgcgccgaa 240

ctctgtaact tgagatatgg atcaaataga ttgtcatcac tgcatatcta ctatggggct 300
atggcttccc gttccagctc acatagaaaa gc 332

<210> 26847
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-B8

<400> 26847

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aagggcaagt gcaccgagca gaacggcatc acggcgccgg ccatgaaggt ctgccaggag 120
gagtgcgaca aggcgtacgt ggtgaaggcg gtcgaggta ccaacgcctg cagcgtcacc 180
tgcgccaagg acaagaaccc gcgcctcatc gagaactgca agaggtcctg caccctact 240
ccttcttgaa gcgaaacccc ttgaaatgaa tgaaccatgc atgcatgcat gtatgcatgc 300
gccggtgtga cctggcgctc agctcaggcg ctgagcgagt ctatacgtac gtcgtcaccg 360
actggccacg catgcgataa ccatctgata tggacggaac tat 403

<210> 26848
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-049-Q1-K1-E7

<400> 26848

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ctcaacctgg atcgttgtac cgcaaccact ttgtgtttga gcgcctctag ctggccatgc 180
gcggcggtatt tgagcatcgc gggctcgcgg ccagaatata accacctgtt ctgcttgctc 240
atcgatgtgt ctaattcaaa agggaaagtc ctacaatgat tgggcatttc tttcaaaaaa 300
gaataccacg gagaaaacgc catactgaac agacaagatc accgaagcac 350

<210> 26849
<211> 247
<212> DNA

<213> Zea mays
 <223> Clone ID: LIB3066-050-Q1-K1-A7
 <400> 26849

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ctcagagagg gtaacatcct ctgcaataaa aatacttcac gagcttgtcc tgacaagttc 60
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atcacacgta ctcacacgta aaccgaaaat gaacacctca gaacgtctct gcatcacgaa 180
tggcattgtg ttattcctcc tcatgcgact atcccatcac cacaccatgc ttgtcatgat 240
ctagcta 247

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<210> 26850
 <211> 353
 <212> DNA
 <213> Zea mays'
 <223> Clone ID: LIB3066-050-Q1-K1-D7
 <400> 26850

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ttaaaaaaaaa aaaaacattt ttttttattt aatcagaccc attttttttt ttaaaaaaaaa 180
aaaaaaaaaa atttttaaaa aacaaaaaaaa aaaaattttt ttttttttaa atcctaataaa 240
aaaactaaaa aaaaaaaatt ttttttattt gtacacttat ttttaaaaaa aaaaatccct 300
tgtaaaaaac cttaaaaagt ttttttttaga aaagtgttta tatttccttt gat 353

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<210> 26851
 <211> 287
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3066-050-Q1-K1-G3
 <400> 26851

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tagcaaaaac caccatccgt cgtcgccaac cgtagcaaga acatcaccac cgcccagcaa 120
taatggcgca gagcatgagg attgtggcgc tggccctggt ggccctgctg gtggtggcgg 180

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cggcggcgcc cgtggccacc gcgtacggct gctacgacga ctgctacgag cgctgcgcca 240
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<210> 26852
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<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-D11

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<211> 310
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-E6

<400> 26853

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agctgaccta tacaacacac gaaccaaata caccggcccc cgcattacaa cgactagacg 180
cgggaaaacc gtggcgaaac ccaaattaat cgcctagcag gacataaacc tgtaaacagg 240
tgaaagcaat accaacacga ccgaaccgat cgaccttccc aacagctgtt caacatcaat 300
ggaaaaaggc 310

<210> 26854
<211> 115
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-051-Q1-K1-G8

<400> 26854

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aagggccaat tgttttctca aggaaagaaa aaccggtcct gcggaacttt ggggg 115

<210> 26855
<211> 183
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B3

<400> 26855

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ccatctattg gcccatatat caattttcac aaaaaatatt attaccaaag cgaaacaaaa 120
aataaacatc taaactgaaa catgaaacac attcactgac ataaacctga ctgtaaaaaa 180
aca 183

<210> 26856
<211> 68
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-B7

<400> 26856

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ggaaaaag 68

<210> 26857
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-C9

<400> 26857

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aataagcccc ttctctcct cgccctggcg tccgcgtcc ttggtgcggc gccggccgcc 120
gcgaacgcgc ccggcggggc gttcagcaac tgggtggcga tgaaccagca gagctacgcg 180
ctgtacgcgc agaagtccgt cggggacggg ggcaaggagc ccctggacaa gaagctgtcg 240
gaggcggaga agaagaaggt cacgtacgtg gtggacccca gcggcaaggg cgactacacc 300
aacatcaccg cggcgctgga ggatatcccg gtgagcaaca ccaagcgcgt gatcctggac 360

ctcaagcccg gcgctcagtt ccgcgagaag ctgttctga acatcagcaa gccgttcac 420
acgttccggg 430

<210> 26858
<211> 375
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-E12

<400> 26858

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ttcatattgt tgtgctgaac tgatcatgca gatcaaattt tcgttgacgt tattttcttg 300
ttcgtatcgg gaggagtgtg tgtcactata gagaactgaa ttatgtacgg tagtttaaaa 360
aaaaaaacac ttaga 375

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<211> 371
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G1

<400> 26859

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ttctctagaa gatagttccg tctttggtgg gcaaacttag gataccatga cttggatgta 180
atctaaagaa aggaaaaaac tctcgtactt ctgcctggcc ttgtatgctc agtcttttcg 240
tcgaaaatcg aatcacacta gaaataccct tcaaagattt atgctaacgt catccactga 300
tccctatgat tggaactggt gggattgaat ttttctacc gaataaaaag ctactacgac 360
tgttacactc a 371

<210> 26860
<211> 155
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-G7

<400> 26860

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<210> 26861
<211> 115
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-052-Q1-K1-H12

<400> 26861

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<210> 26862
<211> 94
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-A7

<400> 26862

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gggggactaa aaaaaataag gacaacaaca aaat 94

<210> 26863
<211> 391
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-B4

<400> 26863

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caataatccg atccccacaga aactttttctc tcgggtccgtt cgatcgatcg ctgccgtgtc 180
gtttgccaga caccatcagc acccaaaacc atggcctgca acctggctca gtgcgccacc 240
gtcgccgcgg cgaccgtcg gcgccgcacc cctcgccctg ctgcgtccgc gtacgtctcc 300
ttctccgcga ggaagccggc gggcggcagc ctgcagctgc agcggcaggc gtgctgcgag 360
ccgtcggtgg cgccgtcgcg ggcggtgttc g 391

<210> 26864
<211> 80
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-D10

<400> 26864

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agggaaaaaa attaaaaaaa 80

<210> 26865
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-053-Q1-K1-G7

<400> 26865

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acaagaccag atagcccctt gtaagccata ctcatattct gataaagatc cacattaaac 180
tgctagtatg aagcaatgag gtgagtaact tacccttgct ctatgcttca atctcaaagg 240
ttctccatct ggatattgct cttgagtggc acgtactccc caaggtagcc tccaagggtgc 300
tcatacaacg cagtccggtc aatctgctgg ttgtggaagg ccttgcaagc gtagtagaag 360
acgtcttgca cgagcagttc cagcaaattg acacagacta gaacgcac 408

<210> 26866
<211> 198

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-A9
 <400> 26866
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 tggcctaaac gacctgatca taacatttaa ttaattaatt aagccaaaga cctacaagcc 180
 ctaggatcga tgcctccc 198

<210> 26867
 <211> 208
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-B10
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 aatcggcggg gtgctttgtg taatcctacg gcccatTTtg agccattgat ctaatgaaat 120
 caggtggtgt caaaaaacaa aaaaaagata ataaaaacaa aaaaaaaaaac aagataatat 180
 aataaaaaat aaaagaaaaa aaagaaaa 208

<210> 26868
 <211> 145
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3066-054-Q1-K1-D3
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 atctatagtg taccctaaat caaat 145

<210> 26869
 <211> 121
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-E6

<400> 26869

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gaaagtaaaa attaaaaaaa aataaaaaaa aatatttaaa aaataaaaaa aaaaaaaata 120
a 121

<210> 26870

<211> 262

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-F11

<400> 26870

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gggaggcatc ccaaattcaa aaggaggatca tctggtaact gatgttaca cttttctgta 120
tggaatgct gtgaacaatg tgggtgcagag tttcacacac taactaacct tacattatgc 180
tagacagaga tcctacttcc tttgcttcag ttcctcgaat ctatgcagat gcagacactc 240
gcagagagag ctcatcaact gg 262

<210> 26871

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-054-Q1-K1-H7

<400> 26871

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gatttcgttg attctgaatg ttatgttggg tctccctatg tacttcaaaa aacatagttt 120
tgatgctaaa gttgcctagg aatttggtac ggtgaagtgg cagtggacgt gaacaatggt 180
aagttttgag catttaaatt aaacctttgc cctgataacg ttgcgagtta tttaatttct 240
tgctttgttc gcggcttgtc agtctgttaa actgtttatt ttatttggca tagcctgaaa 300
gagtgaatc aacagttgtc gtaattgtaa ctgggttttc ttcttgccat gtcataata 360
acagtatggt tcaataaaat ctcttagg 388

<210> 26872
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-B5

<400> 26872

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cgctcaaca ataggcaggc aatcatgtat ggtactacga caccaagacg acatactcca 180
gctaaggtac ttgactcggc gaaaccaact gaaacagcgg caccacggcg cctgtcgccc 240
tactattgca gctatcctac aacatgtctg atatacgcaa aagactcggg ttttttctcc 300
ccaccagca tccttcaatt ggtcatgctc aagctcaatt agcttcagcg tccttctctc 360
gacctgacct gatctatgcc gatttctg 388

<210> 26873
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-055-Q1-K1-G11

<400> 26873

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cggagctgga tccgtctctg cacagggtga ggacatcaca gacactcaca acagacatgt 120
agtgaactca tatttgcatt agtgtacatg cctcgagtgg cagcacaccg gctaaccttg 180
cccacatgca ttggccttga ttataacaca cgatagcgtg gatgtggaat tggacgatcc 240
tgtgcatgaa tactactcag tgcaaaggat caaaagtgca tacaagagaa tgactgaacc 300
acttccagat aggtctcaat ggccattagt ggacccgccc tatgtggttg gtgcaccact 360
tgacaagata ggtagcacia ggtacaactt gactg 395

<210> 26874
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-C12

<400> 26874

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gtgataccta ccatttgata agtaaaaact gcaaccattt ctgtgaggat atctgcaaaa 120
ggttgacagg aaattttatt ccaaaatggg tgaatcgact tgctagaatg ggtgctgttt 180
gcaactgcat tctaccagag tccctcaaga tcaacgcggc cggtcatgac ccagcttctc 240
gagctgaaga tagcgagaga aaaatgctga caagttcctt cagttgcttc tgttcaatct 300
ctctatgcc aagacatttc tcaacatctt cgccgtctct gcgttccttc gcgaacggca 360
cttcttgga taccaagcaa tccaattcta cccgactgaa gaagagctta cagttgaggt 420
cctgtgtatc atatttaact catg 444

<210> 26875

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-D11

<400> 26875

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tgactcgtc cgtgcacgcg tcctcgcacg cgtacgagca tacctgcagt catttactcc 120
accaggacca gcgagttcaa cagcagacag atcgggacta ttatgacgag ccgcaggatg 180
gcatcatcgg ccgcactgtc ggtgctagcc ctacgcgtag tggcggccac cgccccacac 240
gtagcggcgg caacgacgac gagagcggcg gagagcggcg aggcggccta tgccaagacg 300
atccaggacg acttctgctc aacgctgtgc gacggcaaga tggggaccga cctggtcgcg 360
tgctaggagt cctgcgtctc ctgccagcag tccaacctgg tgctgtacgg caggatccag 420
tgcaagggca agtgcaccga gca 443

<210> 26876

<211> 360

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3066-056-Q1-K1-E11

<400> 26876

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atccaaacca attccttttt tcgaattatc atgatgtaat tcccaaattgt ataaaattca 240
gttttttagtt tttccttaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaata aaaaaataaaa 300
aataaaaaaaaa aagaaaaaaaa aaataaaaaa gcttaataaa tatataaata taaaaaataa 360

<210> 26877

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-017-Q1-K1-D9

<400> 26877

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gctatagtcg acatcaagat cctgaaccat ctgatcaata accagaatga atactgcatg 180
gaggttactc caaaaacatt ggctgatgtt aaaggcggtg ctctcatctc ttacgaagga 240
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atcgagaagt ttaagatatt caacactaac aacttgtggg tgaaccttaa agctgtcaag 360
agactagtag aggctgaggc acttaagatg gaaattattt caaaccccaa ggaagttgat 420
ggtgtgaaag tccttcaact 440

<210> 26878

<211> 464

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-027-Q1-K1-D12

<400> 26878

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aacccttcaa ttgagcttgg acctgagttc aagaagggtg ccaatttcct tggtcggttc 180
aagtccatcc ccagcatagt tgagcttgac agcttgaagg tttctggtga tgtctggttt 240
ggctctggaa ttacactcaa gggcaagggtg acaattatcg ccaagcctgg agtgaagttg 300
gagattccag atggagacgt acttgagaac aaggatgtca atggcctga ggatctttaa 360
gcaatgttta tcatcaccag ttttcccaag gacatgtcac aggaactgcc aagcctaadc 420
actcctactg agctctatat tntgtaattt tcatgtgcat tccg 464

<210> 26879
<211> 400
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-059-Q1-K1-G12

<400> 26879

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gaggctgagg cacttaagat ggaaattatt ccaaaccaca aggaagttga tgggtgtgaaa 180
gtccttcaac ttgaaactgc agctggtgca gctattcggt tctttgacaa agcgattgga 240
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cagtctgac tttacacctt ggttgatggc tttgtcatcc gcaatccatc cagagcgaat 360
ccagctaacc cttcgattga gcttggacct gagttcaaga 400

<210> 26880
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-018-Q1-K1-A12

<400> 26880

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gacgagaagc tcgacaagct tcgcgccgag gtcgccaac tcagccagat cagcgagaac 120
gagaaggccg ggttcatcag cctcgtgtca cgctacctca gtggggaggc ggagcagatc 180

gagtggagca agatccagac cccgaccgat gaggtagtgg tgccgtacga taccctcacg 240
 tcgcctcctg aagatctcga ggagacgaag aagctgctgg acaagctcgt tgtgctcaag 300
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<210> 26881
 <211> 439
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-030-Q1-K1-F4

<400> 26881

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 agttcaagaa ggttgccaat ttccttggtc ggttcaagtc catccccagc atagttgagc 180
 ttgacagctt gaaggtttct ggtgatgtct ggtttggctc tggaattaca ctcaagggca 240
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 agaacaagga tgtcaatggc cctgaggatc tttaagcaat gtgtatcatc accagttgtc 360
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 aatgttcatg tgcattccg 439

<210> 26882
 <211> 257
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-D2

<400> 26882

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 agtccttcaa ctcgaaaccg cagctggtgc agctattcgg ttcttcgaca aagcgattgg 180
 aattaatggt ccccgctcaa ggtttctccc aatgaaggct acatctgac tgatgcttgt 240
 gcagtctgat ctttaca 257

<210> 26883
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-007-Q1-K1-G4

 <400> 26883

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 accagttttc ccaaggacat gtcacaggaa ctgccaagcc taatcactcc tactgagctc 180
 tatattttgt aatttttcatg tgcattccga ttccgctgtg aggggtcatgt gagcccgcta 240
 gagaataatt gtaatcttct ttgctgcgtc tgtacttctg tttttgtgcg ccaggacgta 300
 tatttttact gaaatgatac tccgtaatat attataatac ttgttttata ttatttttat 360
 tgtttttatt atattattat gtttttttta tgtttttata atttattttt tttttatatt 420
 atttttttat aattttttta ttt 443

<210> 26884
 <211> 451
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-049-Q1-K1-F5

 <400> 26884

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 tatttgccag tggcagtgca tttgaccctg tggagtagca tgggaagggt tttgtacctg 120
 gacagtcgaa caacgcctac attttccctg gatttggcct cggctctgtt atctctggag 180
 ccatccgtgt ccacgaggac atgcttcttg ccgcctcgga agcactagct gctcaggcca 240
 cacaggagaa cttcgacaag ggatcaatct tcccgcctt caccaacatt agaaagatct 300
 ctgcgcgcat tgccgcagcc gtggctgcaa aagcttatga actcggtttg gcgaccgctc 360
 tgctccccc aagggaacctg gtgaaatatg cacagagctg catgtacact cctgtctacc 420
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<210> 26885
 <211> 139

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-007-Q1-K1-H12
 <400> 26885
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 gcatggtgga gctcttgtcc cgtattacct taatgaaaaa actgggtggg gtttggagat 120
 ctctgatttt aatacgcat 139

<210> 26886
 <211> 432
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-040-Q1-K1-B11
 <400> 26886
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 atgttagggc cttggtgggt atcaatccag gaaatccgac tgggcaggtt cttgctgaag 120
 acaaccaata tgatatagtg aaattctgta aaaatgaggg ccttgttctt ctagctgatg 180
 aggtatatca agagaacatc tatgttgaca acaagaaatt taactctttc aagaagattg 240
 caagatccat gggatacggc gaggatgac tccctctagt atcatttcag tctgtctcca 300
 aaggatacta tggagagtgt ggtaaaagag gaggttacat ggagattact ggcttcagtg 360
 ctccggtgaag agagcagatc tacaaggtag cttcagtgaa cctgtgctcc aatatcactg 420
 gtcaaatacct tg 432

<210> 26887
 <211> 221
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-048-Q1-K1-F3
 <400> 26887
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 gttacgtctc accgatgaat aaaatgtatg tatcagactt gtctcgtttt tttgcccatc 120
 caagcagcaa attagccgct ggcacagcat gcggttaataa tcttgtcaca gtgctgtagt 180

tgggagcgtt tttcttgta gaagtgttc tggttgttt g

221

<210> 26888

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-014-Q1-K1-B8

<400> 26888

cggacgcgtg ggatgagatg caagcagttg ctgtcaagag ccaactgcaa cagatcgcaa 60
gaccaatgta cagcaaccca cctgttcattg gtgcactggg tgtttctata atcctcagtg 120
atccagaatt gaagagtttg tggttaaaag aagtcaaggg tatggctgat cgtatcattg 180
gaatgcggaa ggcacttaag gaaaatcttg aaaagctagg ttcacctttg tcatgggatc 240
atatcactaa tcagattgga atgttctgct acagtgggat gacacctgaa caagttgacc 300
gtttaacaaa tgaataccac atttacctga cccgcaatgg gtggataagc atggctgggtg 360
ttacgacagg aaatgttggg tacctagcaa attcttttca tgaggttacc aaactcaatt 420
tagttatggg cctaccttct tt 442

<210> 26889

<211> 393

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-044-Q1-K1-F10

<400> 26889

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ttcacggctg cgacccttga acatgggtatg caccctccaa tttcgccgaa accagaatgg 120
cgtgctttga tggatgagat ggctatcgtc gccacaaagg aataccggtc aatcgtattt 180
gaggaaccgc gctttgttga atatttccgc cttgcaacgc cagagatgga gtatggcagg 240
atgaacatcg gaagcaggcc atcgaaaaga aagccgagtg cgggcatcga gtcgctgcgc 300
gcaatccctt ggatcttcgc ttggacgcag actcggttcc accttgccgt gtggctgggt 360
ttcggcgcgg cgttcaagca tgtcttggac aag 393

<210> 26890
 <211> 318
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-C4

<400> 26890

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 gcagctgaac cagcagagcg agtacgctcc aggctggag gacaccctga tcctgaccat 120
 gaagggcatc gtcgtcggca tgcagaacac cggctaggcc aagaattatt gtgtgcagat 180
 aacctgtctt ccatgagacg gttgacgata tgtgtaggcc tgtgagcagt tagtaaccg 240
 tggccagtgt gttctggagg atttgtcatg tcagaagcct tctcttgtgt gcttgctgta 300
 gatgccaaagg ggagctta 318

<210> 26891
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-017-Q1-K1-H10

<400> 26891

gattggcatt cctccgcgac cactgaggtg aaccatgaag agacaaaaga gctactgggt 60
 catgttgctg gtcacaagga cgctcttgaa ggtgatcctt atctgaagca gcgtctgcgg 120
 ctgcgtgagt cctacatcac cactctgaac gtgtgccagg cctacaccct gaagcggata 180
 cgcgaccga gctttcaggt gagcccgag cctgccctgt ccaaggagtt caccgacgag 240
 agtcagccgg cggagctggt gcaactgaac cagcagagcg agtacgcttc aggctggag 300
 gacaccctca ttctgaccat gaagggcatc tactgcggca tgcagaacac cggc 354

<210> 26892
 <211> 267
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-007-Q1-K1-C3

<400> 26892

caaactgcgg ctgctgtaga tacgcgcgcc gtcactccaa ggtccaagcc tccttgctc 60

ccgccaccgc ccctcaccat gggcagcgcc gccgcctctc cgcagccgtc tgggaatctg 120
acgcaggacg agctcaagcg cgtggcgggc caccgcgcgg tggagtctgt ggagcccggc 180
atgacgctgg gcctgggcac gggttccacg gccgcgcacg cgctggaccg tctgggctac 240
ctactccgcg tgggctcgct gtccggg 267

<210> 26893
<211> 380
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-056-Q1-K1-A4
<400> 26893

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tggattgagg ttgatggtgg tgttggtccg aaaaatgcct acaaggttat tgaagctggc 120
gcaaatgcca ttgtcgcagg ttctgcagtt tttggggctc cagactacgc tgaagctatc 180
aaaggaataa agaccagcca aagacctcta gctgtagccg cataaggagc tggacgtgta 240
atcatttact ctgtgcaagt ttaccagtga tgcgatctgt atagatgtgt gtcttgtcca 300
gccatacgta taccggagat gaaaagagac ggaagcagtg aagaaatatc cttttttttt 360
cttctcattt ttcacgaaga 380

<210> 26894
<211> 459
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-037-Q1-K1-G5
<400> 26894

cccacgcgtc cgcggacgcg tgggccagca tctccgctcc ggctgcgctc tgccttgagg 60
tgctgctacc tgctctagcg cgagcgagag aggtacggcg gccgatctgg cggcgacaggc 120
ggagggctcg gccggggccg gcaagtcggc gccgaacatg gggagggggc gggtcgagct 180
caagcggatc gagaacaaga tcaaccgcca ggtcaccttc gccaagcgcc gcaacggcct 240
gctcaagaag gggttccagc tctcgggtgt ctgcgacgcc gaagtcgcgc tcatcatctt 300
ctccaaccgc ggcaagctct acgagttctc cagcacgcag agcatgccaa aaacacttga 360

aaagtaccaa aaatgcagtt ttgcagggcc tgaaacagca ctccagaata gagagaatga 420
gcaactgaaa agtagccgca atgagtacct caaactgaa 459

<210> 26895
<211> 276
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-018-Q1-K1-E5

<400> 26895

cccacgcgtc cgtgaatggt gaaaagctca agaagatggc aggtgctgtg cgcaccgggg 60
ggaagggtag cgtgcgcaag aagaagaagg cagtccacaa gactacaacc acagatgaca 120
aacggcttca aagcaccttg aaaagaatag gagtgaacag cattcctggt attgaagagg 180
tcaacatctt taaggatgat gttgttattc agtttgtaaa tcctaaagtg caagcgtcaa 240
ttggtgctaa tacatgggtg ggcagtgga ctccac 276

<210> 26896
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-001-Q1-K1-D2

<400> 26896

cccacgcgta cgccctcctc cgccgaatcc tctcctccgg ccgccgaaac cctagccggc 60
gccgctgccg tcatggcaag cagcaacgtc tcgaccgttt acatctctgt cattgatgac 120
gtcatctcca aggtccgga ggatttcac acctacggag tcggtgacgc cgtcctaaac 180
gagctccagg ctctagtggg agatgaaaat gctacactgc tgctcgatct ctgagaacat 240
agaccgaacc aagggttctg acgcgtacgt cggaggcacc accggcacga caacggccgt 300
gcacgacctg aacgtgccgt acgaggccac atcttaggag tacgccaacc cgaccgctga 360
catgctgttt ccggcgaca 379

<210> 26897
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-048-Q1-K1-D6

<400> 26897

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agaatccgca tgctccgtta ttagatcctt tactatctgt gagattctac gaaagaactc 120
gtgaacaaca agcagcactt ggctttcttg ctgaaccacc aaaagaacaa cctggagagg 180
ctgtattgcc tgcttcagca gtggaatcca attctgatgg gttgcaaagt gtgccccatg 240
gctcagttgg agctgttgca ggctgcgtg ctatagctca gggaaaccct gatgaagttg 300
ctgcagcatt gtgtagatat tcagcaccag aagaggttga tactttacca tcaacatgtg 360
gagcctgtgg aacaaaatgc gtcacacgtt tctttgctac aaaaatccca t 411

<210> 26898

<211> 447

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-G7

<400> 26898

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tcaaacgcac tctctccgc cgctgccga ggcaagatgg ttctccagaa cgacatcgac 120
cttctcaacc cgccggcaga gctcgagaag ctcaagcaca agaagaagcg cctcgtccag 180
tcccccaact ccttcttcat ggatgtcaag tgccagggat gcttcagcat aaccacggtt 240
ttcagccact ccagactgt tgttgtgtgc ccaggctgcc aaactgttct ctgccagccc 300
acgggaggaa aggcgaggct cacggaggga tgctctttcc gccggaaggg agactagagc 360
tgagtctgtt attagtactg gatcggttgt caatctccag tatgtggtct tcaagttttg 420
ctctgtgccc cagacgttag ggcatg 447

<210> 26899

<211> 448

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-053-Q1-K1-H1

<400> 26899

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 tgaagcacia gaagaagcgg ctagtccagt cccccaactc cttcttcatg gatgtcaagt 120
 gccagggtctg ttccagcata accactgtgt tcagccactc ccagactgtg gttgtgtgcc 180
 caggctgcca aactgttctg tgccaaccta ccggtgggaa ggccagggtc caccgagggg 240
 tgctccttcc gtcgcaaggg cgattaggtc ctgcttctct taacgtgaga agagataaat 300
 ttggtgtttt gcaactttct caggatatgt actcggtagag gattttgtta attattatgg 360
 ctgttagcgt ggcctgacaa tgcttggtga aacctgcact ttgtttgagc gtagtgacag 420
 ctaatatggg gcttggtggc ttttgctg 448

<210> 26900
 <211> 437
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-040-Q1-K1-E8

<400> 26900
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 gtaccattgc ccatgcgctt gagaaaacta agtaccctaa ctccgacctc tactggaaga 120
 agtttgagga tcaactaccac ttctcgtgcc agttcaccac tgacttgatt gcaatgaacc 180
 atgccgactt catcatcacc agtaccttcc aagagatcgc cggaaacaag gacaccgtcg 240
 gccagtacga gtcacacatg gcgttcacia tgcttggcct gtaccgcgtt gtccacggca 300
 ttgatgtgtt cgaccccaag ttcaacatcg tgtctcctgg cgcgacactg tccatctact 360
 tcccgtacac cgagtcgcac aagaggcttg acctccttcc acccgagaat gangagctcc 420
 tgtacagcca aaccgag 437

<210> 26901
 <211> 298
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-045-Q1-K1-E9

<400> 26901

ctttttcctt tccggtggcg aattttttgt agtctgcttt tgctaggcgg cgggcgttcg 60
 ttgctgctct ttgcttcaag agttaaattt acctaccttg tcaaggctctt gttccatcat 120
 tgatccgggt gtcgctttta gtagtctgat ggactgttag tagtttgctg tgcgtcgggt 180
 gagaggggaac ggtgggtggg gtgggtgtgtg tgcagtcggg tgtgggtgctc cctttgtttc 240
 ctggatggga tgttgctcct tgaataataa tcgtagtggc cttggagccc ttttcctg 298

<210> 26902
 <211> 318
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-017-Q1-K1-C3

<400> 26902

gggatgttgc tccttgaata ataatcgtag tggccttgga gcccttttcc tgaaataaga 60
 gcagcatcct agtgcttcac tttgcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa ggaatcaa at caaaaatc aaaacttaaa aaaattaata 240
 agaaataaaa aaaatatact aatgattaac caaaataaaa acaaatatca atttattaaa 300
 aactcaaaca aggaaaaa 318

<210> 26903
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H10

<400> 26903

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 agcacgacgg ggagcgcgag ttcattgttct acaggaaccc gagcgcggac atgctgctga 120
 cggagggcga gctggacctg ggcttggtgc ggcgcgccag ggtgttccac tacggctcca 180
 tctcgtcat ctccgagccg tgccgctcgg cgcacatggc cgccatgcgc gcagccaagg 240
 ccgcgggcgt gctctgctcc tacgaccca acgtgcgcct cccgctctgg ccgtcgcccc 300
 acgcgcgacg cgagggcatc ctcagcatct ggaaggaggc cgacttcac aaggtcagcg 360

acgacgaggt ggccttcctc acgcgcggtg acgccaacga cgagaagaac gtgctgtccc 420
tgtggtttga cgggctcaa 439

<210> 26904

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-054-Q1-K1-C9

<400> 26904

cggactcgtg ggcggactcg tgggcggact cgtgggcgga ctcgtgggcg gactcgtggg 60
ggcgtgctct gctcctacga ccccaacgtg cgcctccgc tctggccgtc gcccgcgccc 120
gcacgcgagg gcatcctcag catctggaag gaggccgact tcatcaaggt cagcgacgac 180
gaggtggcct tcctcacgcg cggggactcc aacgacgaga agaacgtgct gtccctgtgg 240
tttgacgggc tcaagctgct cgtcgtcacc gacggggaca agggatgcag gtacttcacc 300
aaggacttca agggcagcgt gcccggttc aaggtcgaca ccgtcgacac caccggcgcc 360
ggcgacgcct tcgtc 375

<210> 26905

<211> 408

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-010-Q1-K1-A8

<400> 26905

cccacgcgtc cggaacaacg cgaccgccgc cgtcgacgac gacgactcag ctactcgcct 60
ggggatgggg gtcgaactgg cgcaaccgac cgccgacgcg gctgcggtga ccaccgctga 120
gcaggctcag gatctcatcg acgccgctag gtacgacgac ttggaggacg tagtcgccct 180
gttctccgct ggtgtctcgc tggactccac agattcgcaa ggccgcacag ctcttcacat 240
ggcttctgcc aatggtcacc ttgctgaggt ggaatacttg attcaaatg gagcgaatgt 300
taatgccacc aacatggaga agaacacacc actccactgg gcatgcctta atggacgtat 360
agaggtaatc agggctttga tctcagcggg ggctagcgag agtgctct 408

<210> 26906

<211> 411
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-022-Q1-K1-H4

<400> 26906

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 gccatctgca ccaccaagaa gggcgccatc ccggcgctgc ccacggtcgc caccgnccag 120
 gacctcatcg ccaaggccaa ctagatggcc gcacgcccgc cgttccacca cgtcactgtc 180
 cccctcgtcg tcgacgtcct cggtttcggt tcattaggtg gatcgagtct tagcgtccgt 240
 ctctgcgcct ctacgtgag acggtttgtt tgggttaatt aagttagctt tcgtggagat 300
 ttcgccccgg ggcacaaat aaaatgttgg catgcgtggt gggatgctat cctttatattt 360
 tattttatatt tatttttttag cttggatcag ttggggtttt gaacattgct a 411

<210> 26907
 <211> 347
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-039-Q1-K1-B10

<400> 26907

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 cagagcctct cccctgcgcc cccgccgatt cgcgtctccc tttgttgaa ggaacgatgg 120
 agcagacctt catcatgac aagcccgacg gcgtccagcg gcgcctgac ggggacatca 180
 tcagtcgctt cgagaagaaa gggttctacc tcaaggggat gaagttcatg aacgtggaaa 240
 ggtecttcgc tcacagcac tacgtgacc tttccgaaa gcctttcttc cccgggttgg 300
 tggagtacat catttcggc cccgtggtgg cgattgtgtg ggaaggg 347

<210> 26908
 <211> 464
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-029-Q1-K1-C3

<400> 26908

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gctcgcccct gcgccccgc cgattcgctg cgcctttgt tggaaggaa gatggagcag 120
accttcatca tgatcaagcc cgacggcgtc cagcggggcc tgatcgggga catcatcagt 180
cgcttcgaga agaaagggtt ctacctcaag ggtaagtgcg tttcattttg ttctcgaatt 240
gattgctgga acacgtactc tgtttaaatt tcctagctat acgcatgaac ttctctgctg 300
ttgaggcaag atttgatgtg cagattctgg tgatatctta gaattgttta atctatgtat 360
acgttcggtt gcgtgtgatc accatctgaa aaaggatgtt ggtcgtggaa gcaggaatat 420
tgctgggaga ttagatttga ttgaaaacca ttatcttgat gtca 464

<210> 26909
<211> 311
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-032-Q1-K1-C5
<400> 26909

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actgaaaagt agccgcaatg agtacctcaa actgaaggca cgtgttgata atttacagcg 120
gactcaaagg aacttgcttg gtgaagatct tgagtcatta ggcataaaag agctggagca 180
cctggagaag cagctcgatt cgtccttgaa gcacataaga tctacaagga cacaacacat 240
ggttgatcaa ctgacagaac ttcagaaaaa agaacaaatg ttttgtgaag caaataagtg 300
tcttcgaaga a 311

<210> 26910
<211> 348
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-010-Q1-K1-G12
<400> 26910

cccacgcgtc cgcacacgcg tccggggaga tcagcgtgct ctgcgacgcc gaggtcggcg 60
tcggcgtctt ctccagcgcc ggcaagcttt acgactactg ctccccgaag acatcgctat 120
caaaaatcct agagaagtac cagaccaact ctggaaagat actgtggggg gagaagcaca 180

agagccttag tgcagagatt gaccgtataa agaaagagaa cgacaccatg cagatcgagc 240
tcaggcacct gaaagggtgaa gatctaaact cgctgcaacc caaagacctg atcatgatcg 300
atgaggcact tgataatgga ctgacgaacc tgaatgagaa actgatgg 348

<210> 26911
<211> 88
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-005-Q1-K1-F7

<400> 26911

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tacccttgaa tctagcggcg ctttttgtt 88

<210> 26912
<211> 100
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-049-Q1-K1-C4

<400> 26912

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gttgcgcttg aatctagcgg cgcttttgtt gagagggtgc 100

<210> 26913
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-046-Q1-K1-E10

<400> 26913

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gtgcccagaa aacaattgaa cgttatagaa cgtacacaaa ggataatgtc agcaacaaga 120
cagcacatca ggacattgag caagtaaaag ctgatgctga gggcctggca aagaaactgg 180
aagcacttga agcttacaaa agaaaacttt tgggtgagag gttggaagaa tgctcctttg 240
aagaactgca cagtttgga gtgaaactcg aaaagagcct tcattgcatc aggggaagaa 300

agactcagct gctggaggag caactccata agctgaagga gaaggagatg aatctgcgca 360
agagcaacga agatttacgt gaaaagtgca tgaagc 396

<210> 26914
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-005-Q1-K1-A5

<400> 26914

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ctgaagcgga tcgagaacaa gatcaaccgc caggtcacct tcgccaagcg ccgcaacggc 120
ctgctcaaga aggcgtacga gctctccgtg ctctgcgacg ccgaagtcgc gctcatcgtc 180
ttctccaacc gcggcaagct atacgagttc tgtagcggac cgagcatcac gagaacactt 240
gagaggtacg aaaaaaacag ttatgcatgc ccagatactg ctgtacagaa catagagaac 300
gagttagtcc agaacagccg caatgagtac cttaaactga aagcaaaggt ggataattta 360
cagaggactc aaaggaattt gcttggtgaa aatctgggtt cacttggggg caaagagctt 420
g 421

<210> 26915
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-029-Q1-K1-C1

<400> 26915

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cgggtggagc tcaagcggat cgagaacaag atcaaccgcc aggtcacctt cgccaagcgc 120
cgcaacggcc tgctcaagaa ggcgtacgag ctctccgtgc tctgcgacgc cgaagtcgcy 180
ctcatcatct tctccaaccg cggcaagctc tacgagttct gcagcggaca gagcatcacc 240
aaaacacttg agaggtatga aaaaaacagt tatggaggac cagatactgc tgtacagaac 300
aaggagaacg agttagtcca gagcagtcgt aatgagtacc tcaagctgaa agcgaagggtg 360
gataatttac agaggactca gaggaatttg cttggtgaag atctgggggtc acttgggtgtc 420

aaagagcttg agcagcttga gaagcaactt gattca

456

<210> 26916
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-029-Q1-K1-D1

<400> 26916

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cgggtggagc tcaagcggat cgagaacaag atcaaccgcc aggtcacctt cgccaagcgc 120
cgcaacggcc tgctcaagaa ggcgtacgag ctctccgtgc tctgcgacgc cgaagtcgcg 180
ctcatcatct tctccaaccg cggcaagctc tacgagttct gcagcggaca gagcatcacc 240
aaaacacttg agaggatatga aaaaaacagt tatggaggac cagatactgc tgtacagaac 300
aaggagaacg agttagtcca gagcagtcgt aatgagtacc tcaagctgaa agcgaagggtg 360
gataatttac agaggactca gaggaatttg cttggtgaag atctgggggtc acttggtgtc 420
aaagagcttg agcagcttga gaagcaac 448

<210> 26917
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-049-Q1-K1-C2

<400> 26917

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gggcgatcgg gccggtcgag ccggagaggc cggaaaagct agctagctac cagctctccg 120
gtgtggtagt acgtctgcct gcagctgggg ttagctgcaa gggttgggag ccatggggag 180
gggtcgggtg gagctcaagc ggatcgagaa caagatcaac cgccagggtca ccttcgccaa 240
gcgccgcaac ggctgtctca agaaggcgta cgagctctcc gtgctctgcg acgccgaagt 300
cgcgctcadc atcttctcca accgcggaaa gctcttaciaa gttctgcagc ggacagagca 360
taaccaaacc actggaaagg tttgaaaaaa ccagtttttg agga 404

<210> 26918
<211> 457
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-031-Q1-K1-H5

<400> 26918

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ggagaacaag gttctgcaga aggagaaagc gttactcctg catgcagctc gcggagaagc 120
agaaagacca gcggcagcaa gtgcaacggg accaaactca acagcagacc agttcgtctt 180
ccacgtcctt catgttaagg gaagctgccc caacaacaaa tgtcagcatc ttccctgtgg 240
cagcaggcgg gaggggtggtg gaaggggagc cagcgcagcc gcaggctcgc gttggactgc 300
caccatggat gcttagccat ctgagctgct gaaagtttgc cctcacctgc gcgatgtgat 360
agcccaaat ccagcaagtc ttccccggac cccggactgt ccccgcttct ccgtctggtg 420
cagtatcgtc gtgatcgga gaagcagcag cagcgg 457

<210> 26919
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-030-Q1-K1-E9

<400> 26919

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atgttttgtg aagcaaataa gtgtcttcga agaagactgg aggagagcaa ccaggttata 120
tggcagcatg cgtgggagca aagcgagcgg cattctgaag tgcagccgca gcagctcaat 180
ggcaataact tcttccatcc cctcgatggt gctggtgaac ccacccttca gatagggtat 240
ccttcagagg cactgactag ctcatgcatg accaccttcc tgcccccggtg gttgccatga 300
gatcgaacta ctgcgcaatt ccgaattaat aagcatggcc gcatgcagct gcctgtgcta 360
tacgttgtgc ttggagtgtg ctttaagggt cttgcatggc cagtatgtgt gtaacatttg 420
tgatg 425

<210> 26920
<211> 329

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-002-Q1-K1-B10
 <400> 26920
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 atatgttatg taagcacaaa tgaaacatgc cggactagtt gcttttgctt gtctatgtat 180
 ttgtttattc cctttgcctc aaagatccat cttcagggtg gccatgccgg catgaagtta 240
 ttcatatgct cgggagcgaa cccgatctgc agggttggct ctgctgcagc ttccagggga 300
 tgaaagaata atccctagtt ctagatcgc 329

<210> 26921
 <211> 439
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-049-Q1-K1-D7
 <400> 26921
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 gggtaaataa agatgcgatg gcagaatcat attgtactgc aagagtgaca attgtgtggt 120
 ccactcacat atatgaccta gttttgtgtg tctatatgtc gaaaccata tgtctgtgat 180
 tttattatat gttatgtaag cacaaatgaa acatgccgga ctagttgctt ttgcttgtct 240
 atgtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 aaaaaaaaaa taaaaaaaaa aaaaaaaaaa aaaaaaaata atataaaaaa aaaaaaaaaa 360
 ataaaaaaaa taaaaaaaag gggcgccctt tttaaggagc caaattttac gtacccttac 420
 ttgcaacgca atagttttt 439

<210> 26922
 <211> 426
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-059-Q1-K1-C4
 <400> 26922

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 tgggtagagg aaggattgag atcaagagga tcgagaacaa cagagccgg caggtcacct 120
 tctgcaagcg ccgcaatggg ctctcaaga aggcgtacga gctctccgtc ctctgcgacg 180
 ctgaggtggc cctcatcgtc ttctctagcc gtggtcgcct ctacgagtat gccacaaca 240
 gtgtcaaggc tactgttgag aggtacaaga aggcacacac cggtggctct tcctctgggc 300
 cccgctcct agagcacaat gccagcaat tctaccagca agaatacagca aaactgcgca 360
 accagatcca gatgctgcaa aactaaca ggcaacttgg tggtgactcc gtgggaaacc 420
 tgtcac 426

<210> 26923

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-058-Q1-K1-F6

<400> 26923

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 agatcaagag gatcgagaac aacacgagcc ggcaggtcac cttctgcaag cgccgcaatg 120
 ggctcctcaa gaaggcgtag gagctctccg tcctctgcga cgctgaggtg gccctcatcg 180
 tcttctctag ccgtggtcgc ctctacgagt atgccaacaa cagtgtcaag gctactgttg 240
 agaggtacaa gaaggcacac accgttggct ctctctctgg gccccgctc ctagagcaca 300
 atgccagca attctaccag caagaatcag caaaactgcg caaccagatc cagatgctgc 360
 aaaacactaa caggcacttg gttggtgact ccgtgggaaa cctgtcactc aaggagctga 420
 aacagc 426

<210> 26924

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-B1

<400> 26924

cccacgcgtc cgcgagctc caactactca caagaagtaa aaactccact ggacactgaa 60

attaactacc aggattatct caagttgagg acaagggctg aattcctcca aactacacaa 120
 agaaatattc ttggcgagga tctgggtccg cttagcatga aggagctaga gcagctggag 180
 gaccaaatag agatatctct gaagcatatc agctcaagaa agaatcaaata gctacttgac 240
 cagctatttg atctcaaaag caaggaacaa gaattgctgg atctcaataa agacctaagg 300
 aagcagctgc aagaaa 316

<210> 26925
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-059-Q1-K1-A11

<400> 26925

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 gtatatgcta ttttctatct tctttagaac taggtttgtc ggtttggttg gcaaacacga 120
 tctatgtact gacctgaact ttgtgtattc cttttttcca agcaggatct cacgttgact 180
 tactctgttt cgttgcgtc tttcttttca aaactagatt aactaccagg attatctcaa 240
 gttgaggaca agggtcgaat tcctccaaac tacacaaaga aatattcttg gcgaggatct 300
 ggggccgctt agcatgaagg agctagagca gctggaggac caaatagaga tatctctgaa 360
 gcatatcagc tcaagaaaga atcaaatgct acttgaccag ctatttgatc tcaaaagcaa 420
 ggaacaagaa 430

<210> 26926
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-060-Q1-K1-A5

<400> 26926

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 gtggagcaaa gacactgaat tccttcacc tgaagcaatg tgtgaagagg tacagttctt 120
 ttgatttcct aactgaagtt gtcagcaagg tacctgatct tggtagcgct gattcctgtg 180
 gagatgaaag aggattacct agaagaagaa agtcaaatgg ctgtgaccca gagaatgatg 240

aatcaagatc tagtaaaatg gccataagaa atgcatacat cagccccaga ggacgtggga 300
 ggggtcgagg cataggacga ggtctgccac caaccaagag aaaggagggtt ggttatgtac 360
 aatttgaaga tgagagcagc atgtttgctg aacatgggtga gcccttgcca ggagaggata 420
 cagttcaaga gatcaatggc 440

<210> 26927
 <211> 434
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B9

<400> 26927

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 gaagcgcttc gtccagtcctt ccaactcctt cttcatggat gtcaagtgcc agggatgctt 120
 cagcataacc acggttttca gccactccca gactgttggt gtgtgcccag gctgccaaac 180
 tgttctctgc cagccccagg gaggaaggc gaggtcacg gagggatgct ctttccgccg 240
 gaagggagac tagagctgag tctgttatta gtactggatc ggttgtcaat ctccagtatg 300
 tgggtcttcaa gttttgctct gtgccccaga cgtaggggtc atgaacttcc ttagctaagg 360
 ctttccgcac gttgttctgt gctgctatgt atcgcacgtt ggttcttgct gaacttatag 420
 cttgtttggt tcgg 434

<210> 26928
 <211> 239
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-E3

<400> 26928

catgtacacc gtcttaagag agttaaatgt tagtgcttgc ctctgttag attgaatggg 60
 cggtttaacc gagacattca gacaagaaga atgagaacaa ggagggttgct gcgaatgact 120
 ttctaccagc gagcgccgct tatgaagcca tacagcactc tatggacctg tatgctacat 180
 acatcgcttg agggcctgaa gaggtaggat tctgatggct aggaaaggct gcgaggatg 239

<210> 26929
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-022-Q1-K1-D11

<400> 26929

gacccaatgg atgtgttggc cctgatgcag gagcctgttg ttccctgggtc gttcctgaga 60
gctagagcaa ttggccttat gcccatgatt gaccagggtg aaaaggatga caagataata 120
gcagtatgtg ctgacgatcc tgaataccgt cactacaacg acatcagcga gctgtctcct 180
caccgcctgc aagagatcaa gcgcttcttt gaagattaca agaaaaacga gaacaaagaa 240
gtcgcagttg atgcattctt gcccgcgaca acagctcaag aagccattca gtactccatg 300
gacctgtatg cccagtatat ttgcaaagc ttgaggcagt agattgcaag caacaattta 360
tctatcatgc gtcttggatc ggggcgtgat ttttaataagc cgaatcgctt 410

<210> 26930
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-016-Q1-K1-G4

<400> 26930

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gaaactccga cagtccgacc acaaggcttt gtgcgggatc cacagaagga tgagtgaaga 120
ggataagact gctgcttctg ctgagcagcc gaagagggcc cctaagctca atgaaaggat 180
cctctcttct ctgtccagga ggtccgtagc tgctcatcca tggcatgac ttgagatcgg 240
tcctgatgct cctgctgttt tcaatgttgg tgttgagatc acacagggat gcaaagctta 300
atatgaactt gacaagaaaa ccggactgat taagggtgat cgagtcctgg acttatcagt 360
tgtataccct tac 373

<210> 26931
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-029-Q1-K1-C6

<400> 26931

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catgagcctg ttgttcctgg ttcgttcctg agagctagag caattggcct tatgcccag 120
attgaccagg gtgaaaagga tgacaagata atagcagtat gtgctgacta tcctgaatac 180
cgtcactaca acgacatcag cgagctgtct cctcacccgc tgcaagagat caagcgcttc 240
tttgaagatt acaagaaaaa cgagaacaaa gaagtcgcag ttgatgcatt cttgcccgcg 300
acaacagctc aagaagccat tcagtactcc atggacctgt atgcccagta tattttgcaa 360
agcttgaagc agtagattgc aagcaacaat ttatctatca tgcgtcttgg atcggggcgt 420
gatttttaa 428

<210> 26932

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-047-Q1-K1-H2

<400> 26932

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gctgaagatg ttacgctgaa gacgaacata cttttttttt gctcaactgt gctatgtaag 120
ctagtagctt ttgcgcagga gcagagactg ttttgctgc ccccaacttt tagcttgagc 180
ttgctaataa tgtttacctc tggacgtatc aataatgggt cttatgtacc ctttttttgt 240
gccgaattac ggtggatccg tcactgaac catgggtttg gtgtatgtaa ttgcgtcacc 300
cgatgcctaa ggtgagactg aagtttttgg acatttggga caaggtagcc ttgtgcccc 360
cattggtcga atgctgccaa aactgtaccg gtcactgtg ctccgtacgg attagcctga 420
tctgcgaatg caacttgtca gc 442

<210> 26933

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-055-Q1-K1-G8

<400> 26933

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cagcacagcc tgatgtcgat ggggtttcttg tcggtggagc ttctttgaag cctgagttca 120
tcgacatcat caacgcggcc accgtgaagt ccgcttaaga tgttacgctg aagacgaaca 180
tacttttttt ttgctcaact gtgctatgta agctagtagc ttttgcgag gagcagagac 240
tgttttgcct gcccccaact tttagcttga gcttgctaata atgtttacc tctggacgta 300
tcaataatgg tgcttatgta cccctttttt gtgccgaatt acggtggatc cgtcatctga 360
accatggggt tggtgtatgt aattgcgtca cccgatgcct atggtgagac tgaagttttt 420
ggacatttgg gac 433

<210> 26934
<211> 427
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-059-Q1-K1-D10
<400> 26934

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ctggaaatgc aatggaacca cagatcaggt cgagaagatt gtcaaaacc tgaatgaagg 120
acaggttccc ccttcagatg ttgtggaggt cgttgtcagc cctccttatg tcttccttcc 180
tgtgggtcaag agccagctgc gccaaagagtt ccatgttgcg gctcagaact gctgggttaa 240
gaagggaggt gctttcaccg gtgaagtcag tgctgagatg ctctcaacc ttggtgttcc 300
ctgggtcatt cttggacact ctgaaaggag agctctgctg ggagaatcaa atgaatttgt 360
tgagacaag gttgcgtatg ccctgtctca gggactaaag gtcattgcat gtgttggtga 420
gacactt 427

<210> 26935
<211> 457
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-027-Q1-K1-B10
<400> 26935

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gggcagaggg aggctgggtc taccatggag gttgttgctg cacaacaaa agcaattgct 120
 gagaagatca aggactggag caacgtagtt gttgcctatg aaccagtttg ggctattgga 180
 actggtaaag ttgccacccc agctcaggct caggaagtgc acgccttcct gagggattgg 240
 ctaaagacca acgtcagccc tgaggttgct gaatctacta ggatcattta cggaggctct 300
 gtaactgccg cgaactgcaa agagctagca gcacagcctg atgtcgatgg gtttcttgct 360
 ggtggagctt ctttgaagcc tgagttcatc gacattatca acgcggtcac cgtgaagtcc 420
 gcttaagatg ttacgctgaa gacgaacata ctttttt 457

<210> 26936
 <211> 404
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-034-Q1-K1-B7
 <400> 26936

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 tgctgagaag atcaaggact ggagcaacgt agttgttgcc tatgaaccag tttgggctat 120
 tggaactggt aaagttgcca cccagctca ggctcaggaa gtgcacgcct ccctgagggga 180
 ttggctaaag accaacgtca gccctgaggt tgctgaatct actaggatca tttacggagg 240
 ctctgtaact gccgcgaact gcaaagagct agcagcacag cctgatgtcg atgggtttct 300
 tgtcggtgga gtttctttga agcctgagtt catcgacatc atcaacgcgg ccaccgtgaa 360
 gtccgcttaa gatgttacgc tgaagacgaa catactnttt tttt 404

<210> 26937
 <211> 314
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-032-Q1-K1-E5
 <400> 26937

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 gaggtcgttg tcagccctcc ttatgtcttc cttcctgtgg tcaagagcca gctgcgccaa 120

gagttccatg ttgcgggtca gaactgctgg gttaagaagg gaggtgcttt caccggtgaa 180
 gtcagtgtg agatgtctgt caaccttggt gttccctggg tcattcttgg acactctgaa 240
 aggagagctc tgctgggaga atcaaatgaa tttgttggag acaagggtgc gtatgccctg 300
 tctcagggac taaa 314

<210> 26938
 <211> 402
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-045-Q1-K1-E5

<400> 26938

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 cgcccccgaa cctggcgtct gccctaccaa ccgcagcagc gacactagaa tggccgcggc 120
 gccgtcatcc ctgcgctcct cccacctctc cccaatcgcg gcggtgtcca ctcccgcgt 180
 cccacatcag cttcgcacgc gctgctcccg ccgacgcgcc gggcgcatcg ttgccatggc 240
 tggatccggc aagtctctcg tcggaggcaa ctggaagtgc aatggaacaa aggactccat 300
 tagcaaaactt gtctctgaat tgaatgctgc tacccttgaa actgatgtag atgttgtggt 360
 ggcaccctca tttatctata ttgatcaggt taaagaattc ac 402

<210> 26939
 <211> 224
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-E7

<400> 26939

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 cacaacaaga tggaagtgt gatcagatag tagaatttgt tgtgtcaaag gaaaatgcga 120
 atcaactttg gagttccatc ggcaataagc ttgaaacacc aaccaagaca ataacttcag 180
 ttattccgca gcgtgatggg attcaagata actacaatga tcaa 224

<210> 26940
 <211> 224
 <212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-043-Q1-K1-E8

<400> 26940

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cgctttttca ttccacagtt atatctgtag gacggatgtt caaactctgc tagattcagt 120

ctttctagct gagaactgag ctgtagctga aggttcagtc attcttcacg ctcgagctac 180

tacatcttct tgctgctgag tgccggggagc tgagatcgat cgag 224

<210> 26941

<211> 243

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-F1

<400> 26941

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agtgtctgtt tcagtgcagt ttcctttact ttcaaaaagt gcctttcttg aacgggtcaat 120

tgaagaaaat tctgaccaag aataatgcat catcaaacta aatgacattc ctgggggtgcc 180

aagtcatttg agctagttgc aagggttctgc tatgggtgtg aaaatagagc atcaaaagct 240

act 243

<210> 26942

<211> 375

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-F10

<400> 26942

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ccttccgccc acttggtgac aaatacgag cgagcagga tgctttcttt gctgactacg 120

ccgaggccca cctgaagctt tcagaattgg gatttgctga ggcgtaaagt gagagagaac 180

gaaccagaag agtgtggtgg ttgtcgtcgg ccggcaggcc ttgtgttttt gttgtctgct 240

tttctcttga atgaagatgt gatgaactct gctgaagatg tattgtgttt gttgtcatgg 300

ttcatttttc tattttattt atctataata tctgtcggag aagctttgat atgaatcggg 360
atctgttttcg gaaca 375

<210> 26943
<211> 387
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-043-Q1-K1-F11

<400> 26943

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tctgattgcc aactgtccag gctagcctga agtgtggtaa ctctatttgt aatgaaccct 120
aggttttctt tgagccttct gaggtgacct atcagacctt caacgactgn tatgtctccg 180
gttgcatcc agttcttgca tgcacatttt tttcacaccg ggaataactt gttcaccgtg 240
agaaactacc tacacgaaca aaattgtagc gtctagtctg tgacttatgt tccatatact 300
aactggaatt aagttggttt aagttaacag tattttagt tccggtttatg ttatcttatg 360
tttgttcaa aattttatga tctttat 387

<210> 26944
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-F12

<400> 26944

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caatgctata agagaggcct atccagacat tcagatgatt tcaaactgtg atggttcatc 120
tagaccactt gaccatcctg cggatttgta tgatttccat gtctatactg attctaagac 180
tttgtttaac atgaggagca catttgacag aacatctcgt agtggaccta aggcttttgt 240
gagcgagtac gctgtctgga gaagtgacgc gggtagaggc agtcttcttg cttcgttggc 300
tgaagctgct ttcctcactg gtctggagaa gaacagtgat attgttcaga tggcaagtta 360
cgcaccactt ttcgtgaacg acaatgacca aacctgtgac ctcgacgcta ttcgtttcaa 420

cttctggcat cactattgaa cttc

444

<210> 26945
<211> 406
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-043-Q1-K1-F2

<400> 26945

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gggagaacaa gtcgttgga acggtgaggg ggctgctgga ggagaccttc acgagtgagg 120
cagatgcgga ggcgtaccg agcttgccct cggggttcta cgacgccttc gtcctgaggg 180
gaatccgcgt cgtccaggcc ctccagcccg gcacactcct ctgccacttc aacgtgccct 240
ccagactact caactcgggc ggcttcctgc acggcggcgc aaccgccttc ctcgtggatc 300
tggttgctt cgncccttc gccactgccg ggctacgcac caggggctca ccccttgaga 360
tgaacatctc ctaccttgat gctgcttttg ctgatgaaga gattga 406

<210> 26946
<211> 227
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-F3

<400> 26946

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gggccttgct ggagcgcgct gttgtcagat gatatgcagg gactcactgc tgtgcagtac 120
cgctagaatg cggctggtgc tgaccgagtc caacatgagc acccgtaga acgtcatgct 180
tgctaggccg gcttttgagg ccctggccaa gcccgggatg gcccattg 227

<210> 26947
<211> 209
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-F5

<400> 26947

gcgccacgc gttcgcggtc gcgtgttctc ttctactcgg gcatcatcga catcgagttc 60
accaggggtgc cgtgcgagtg ccctggcctc aagatcgggt tccacgtgga ggagtactcg 120
agccccgtct acttcgcggt gctgggtggag tacgaggacg gcgactgcga cgtgggtgcat 180
gtggacctga tggagtccaa gacggcgcg 209

<210> 26948
<211> 130
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-F8

<400> 26948

cgcacgcgtc cgcggtacgc gttggaacta agatgagctc atatgtcacc ttggagaagg 60
atatgctata cctagaaaga agggacagga tagggatgaa ctaaaaaaaa aagaacaaca 120
aagacaaaaa 130

<210> 26949
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-F9

<400> 26949

cccacgcgtc cggaatttcc aactgcgagt ttctaggaca ccaccagat ccacaccac 60
gtgtgctact ccaacttcaa cgacatcatc cactcgatca tcgacatgga cgcggtacgtg 120
atcaccattg agaactcgcg gtccgacgag aagctgctct ccgtgttccg cgagggcgctc 180
aagtacggcg cgggcatcgg ccccggtgtc tacgacatcc actccccag gatcccgctc 240
gctgaggaga tcgccgaccg catcgacaag atgctggcgg tgctggacac caacatcctc 300
tggtgaacc ccgactgcgg ccttaagacc cgcaagtaca cggaggtcaa gcccgccctg 360
accaacatgg tctccgtcgc taagctcatc cgcaccacgc ttgccagcgc caagtgagca 420
cctttttttt gcctttt 437

<210> 26950
<211> 325

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-043-Q1-K1-G1
 <400> 26950
 ctagcacccc accgtgtcta gggtttcctg ctccaatggc cgccgcgggg gcagacgggg 60
 agcgcaggat cggggtggcc atcgactact cggagagcgc caagaaggcg ctggactggg 120
 ccatcgacaa cctgctccac cacggggaca cctcgtcgt cgtccacgtc ctgcaccacg 180
 gcgcggagga gaccaagcac acgctctggg ccaagtccgg atccccgctg atcccactct 240
 ccgagttccg ggagcccagag gtgatgcagg gctacggcgt gcgccccgac gccgaggtgc 300
 tcgacgcgat cgacacggca gcgcg 325

<210> 26951
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-043-Q1-K1-G10
 <400> 26951
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 cgtctgtcgc cgccgagggg atcggagcaa gatgttcttc cacatcgtgc tggagcggaa 120
 catgcagctg caccacgac actttggggc gcaccttcgc gacaagctcg tttccaagct 180
 catcaaggac gtcgagggca cctgcagcgg gcggcacggg ttcgttgtgg cgatcacggg 240
 tgtggaggac atcggcatgg ggctcatcct gtaaggcacg ggatacgtca cttccccgt 300
 caagtacat tgcgttgtct ttagaccctt taagggcgat atcctcgaag ctgtcgtttc 360
 catggtgaac aagattggct 380

<210> 26952
 <211> 398
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-043-Q1-K1-G11
 <400> 26952
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catcgtatga gcgagaaaag atggggccaga cattcacagt tcattacttc acttatgaga 120
acggaatcca gaagtactta atctgggggtc tgaccgcccc catcttgatc catgctgctt 180
cagttgtata cgagcgaccg ccagacttta cagagcgaag agcacatttc aaattgccaa 240
agttcacaaa ggactgctct tcaatgcgca ggacctgcta aacattagtg cacactgcct 300
acgctgctat ctcagctaca tgctatttgg attacatgat gttgcaccaa cagagtttat 360
tgaatcta ataggcgtccaa atcacttgat gtcatatg 398

<210> 26953
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-G12

<400> 26953
cttcgtcact ttaccgtctt cacttatctt atctagtaac gctgacattg tgggtcccggg 60
gtggtgccct ggctgacctg accagcaagc aaataggccc agccaactcc gatcccaccg 120
gcaccagccg cccgcaacct gcaaagctgc ttcccggact agctagggtt tcgtctacgc 180
cgcttgatct agtcctctct cccggcacgc gagggcgagc cgcttgatggc ggcggcaccg 240
gcggacgcta aggcggaggc cgccaagatg gacctcctcg aggacgatga cgagttcgaa 300
gagttcgaga tcgaccaaga atgggatgac caggaagaag gcaacgaaac cgttcagcag 360
tgggaggatg attgggatga cgatgacgtg aacgatgatt tctctttgca gc 412

<210> 26954
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-G2

<400> 26954
cccacgcgtc cgcctacgcg tccggaatca gatgtaggct ggccggcgat gtcgcccggca 60
ctcggaaggc cgtcacgcac atcgtcgagc tctgctacaa ggccggcgcg tggaagacgc 120
taaacgacca gatcgttctc ctctccaaga ggagaggcca gcttaagcag gccattactg 180
ctatggttca gaaagcaatg gactacattg atttgacacc agacattgac acacgagtcg 240

agctaatacaa aacactgagc agcgtctctg ctggcaaaat ttatgttgag atagagagag 300
 caagattgat caaaaggctt gcaaatatca aagaggagca aggaaagatt gacgaggctg 360
 ctgatttgat gcaagaagtt gctgtcgaaa cattt 395

<210> 26955
 <211> 416
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-043-Q1-K1-E6
 <400> 26955

cccacgcgtc cgagatacca ttctcgattg aaaacaatcc tgaaaccaag ccatgggtct 60
 gcaggagaaa tttgaggagt atgctgttaa ggcaaagacc ttgcctgaga acacgatcaa 120
 tgagaacaag ctgacacctat acggtctcta caagcaagcc acggttgag atgtgaatac 180
 cgatcgccg ggcatattct accaaaagga cagggccaag tgggatgcct ggaaagctgt 240
 tgaaggcaaa tcgaaggatg angcgatgaa tgactacatc accaaggtga agcagctcca 300
 ggaggaggct gccgcctctt aaaagtctct taatagtgtt gccaaacagc tatttgtcag 360
 atgagctttg tgccatttcc tcattagaag tatatcattc gatccattgg ggatct 416

<210> 26956
 <211> 388
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-043-Q1-K1-G4
 <400> 26956

gatgaatttg ctcatcttgg ctgatcattc cagttacgta caataatata tgacctttct 60
 tgttgagttt gagecgtcaa catacatgac atggacgcca agctcttgct tcaggctctg 120
 tctcccggat ttctgccaaag tttttgcttc agcccaagag caggaaacca gataatgtag 180
 atgctaaaaa aaagctcttt ggggtattgga ccagtgagtc tattgcgtga aagggtcaag 240
 ttttgaagag gacagttgct tagactccaa ggtattatct ccactgaggc cattggcatc 300
 cagaacaaat ctagaaagca ctgttaaatt tctaagagtt tctgggatta aattgctgag 360

<210> 26957
 <211> 371
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-043-Q1-K1-G5

 <400> 26957

gacgcgccgc cctactggat cttactnctt cagcacctg cccacggggc ggttctccaa 60
 cgggctcaac atccccgaca tcatcagcga gcacctcggc tcccagcccg cgctgccgta 120
 cctcagcccc gacctccgcg ggcaccagct gctcgtcggc gccaaacttcg cgtccgccgg 180
 cgtcggcatc ctcaacgaca ccggcataca gttcgtgaac atcatcagga tctggcagca 240
 gctgcacaac ttccaggact accagcagag gctggccgcg ttcgtcggcg acgacgcggc 300
 gaggcattgt gtgagcaatg cgctcgtcct catcacgctc ggccggcaacg acttcgtcaa 360
 caactactac c 371

<210> 26958
 <211> 203
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-043-Q1-K1-G7

 <400> 26958

cccacgcggt cgagctcacg ttgaaatttt cgacctgcaa aggagcatat aaggcatacc 60
 agaatctgca gaaggtatac atgggagcga cagtaatatg ctgtgctgcc gctggtattc 120
 ctccagatgt tcagctcatg ttatcgatcg gtacggctgc ttaagtcagt gccgctgtag 180
 catacgcatc ccatgagctc cag 203

<210> 26959
 <211> 206
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-043-Q1-K1-C8

<400> 26959

agaagtccta gtgttactag ctttcctttc gctgcatctc agagttccca ctttgggttg 60
gtagataata agaatgttat tgatacacia aggctagaag aagaaaagaa aaggctttac 120
cgaagggagc tactgctatt gttctacttg ttatatttga tgatgcaatt ggttatcatt 180
tatctactct tgatcagttt ttataa 206

<210> 26960

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-C9

<400> 26960

cccacgcgtc cgagcattta ttgaggatat tcacaagatc aaaatatcgg aacttggcgg 60
aagtcaccc ccaatcagcag aggggacagg agatcaaaat gataagttaa aaagtgttga 120
agtacaggct tcacaggaag acagtataga agaccaaccc tacaagcttt gtgctgtatg 180
tcacagcctg ggtggtgcag ttatgctgat gtatgtggtt acttcaagga tcacacaaaa 240
gccccacaga ttgtctagac tggctctgct atctcctgca ggttttcatg aggattccaa 300
tgtggtattc agtatggtag agaagctcat cttgtttgtt ggtccagtgc ttgcaccact 360
tattcctgga ctttacatac caactcggtt ctttaggatg cttctgaaca aattagcaag 420
ggatttccac aattattcag ctt 443

<210> 26961

<211> 327

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-D1

<400> 26961

caattcatca cggcatcacc cccaattttt tctactccac cgaaacataa atccgtagcc 60
tggctctctg cttcgcagaa agatcttgcg gaaggtggca gacgcataga tgaggggtgag 120
agcatttggc ggtagcgtt gacgagcgac gagtaaacc taatgctttg atcgcggcgg 180
cgtcgtttga gacactcccg aatcgatccg cctacatgcc tatgaatcct acttcctcgt 240

cgactcctga gtcggcgctct tcgacgcctg ctgtggccag ctactttcct ctacctttcc 300
acctgcagca gcaccagccg cagccgc 327

<210> 26962
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-D10

<400> 26962

ggaaaggaga agagaggggtc ggaatatatt cggccgagga gggtgccgtg atcgcgtgcc 60
acaccaagga cgagttcgac gcccgcattg ccaaggccaa ggagcagggc aagctggtgg 120
tcacgcactt catggcccc tgggtgcagt ggtgccagat gatggccccg gtgtacgcgg 180
actgcgccag caagtacct tccgcggtct tcctcgaggt cgacgtcgac gaactgctgg 240
aagtcgcgaa gatctacggc gtccatgtga tgccgacct ctgcttcac aggaacggcg 300
agacgctcga gagctttgct accgtcgacg aggacgagct ccgggacgcc gtcaggaagt 360
acgccgtcgc tggcactacg actgcttctg cctcggcgta cgtctaattc aggagatgtg 420
atgtgtagca aatagcgcg gc 442

<210> 26963
<211> 386
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-D11

<400> 26963

accactcgt ccgcccacgc gttcgcggtt tcgtgggctt ctcttgccc agaatggggg 60
aatggctcgg gggcctgttg acaatcctgc tgagagtga atgtgcaagt ttcaagtact 120
tctaacttct aattacctgc attacaaata tcattttttt ccaaataata catagcatca 180
ggtttttctc tgttcatact tttttagtaa cttaattcct ttgagttatg tagtattaaa 240
attatgattg gctatctttt gatgcaatga agttaatgc tgtaactttt tactatggaa 300
tctttctgac ttttaagttac taatatttgt tttgagttct ccatattgct ctgatattat 360
tgatgtttgc aaccaaactt aagcta 386

<210> 26964
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-043-Q1-K1-D12

 <400> 26964

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 tgacgtcaag aatgaattca agtcaatgtt tctgagcttt gccagtgccca agaatgccgc 120
 catggagatc ccacctgaaa actacctcat tgtcacaaaa aatggaaatg tgtgcctggg 180
 cattcttgat ggaacggctg ccaagctgag tttcaacgta attggagaca tcacgatgca 240
 ggatcagatg gtgatctatg acaacgagaa atcgcagctg ggatgggcgc gtggggcatg 300
 cactaggagc gccaaagtcta ttctgtcttc ctttcctga gctcagttct atgtacttct 360
 gatagagttt aagaaaatca ctatattaaa ctttctcgca atgcatgaat ttcctaactg 420
 aagaaggaag gaaaaagaga gag 443

<210> 26965
 <211> 381
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-043-Q1-K1-D3

 <400> 26965

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 ccttatctcg ctatgtttcc acctagccct ggccatcaca ctggctgcaa gtgttcctgg 120
 ccttgctcgt agtagggtaa tcgacatgga accgcaactc aaaccgacgc tgcaactaga 180
 accaaagcat ggtgtatctc aaccagacag aaaccaagaa cccaaaccga caccacaatc 240
 tgagccaaaa ccagagccta aaccggaacc tgaacctgca ccacaaccag accccaaacc 300
 cgcaccacag ccggacccaa aaccgcacc acaaccgcac cccaaaccag aaccctaaacc 360
 tacaccacag cccgacccaa a 381

<210> 26966
 <211> 53
 <212> DNA

<213> Zea mays
 <223> Clone ID: LIB3067-043-Q1-K1-D4
 <400> 26966
 cggacgcgtg ggcggacgcg tgggcggtcg cgtgggcgga cgcgtgggaa aaa 53

<210> 26967
 <211> 362
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-043-Q1-K1-D6

<400> 26967
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 cagaatgcta ctctcaccct tcaaggctgt ggcggggcca tggacgacct tgtcgagcgc 120
 ttttaaggacg ggctccacat gtgcatgacc gaggtctatg acaagaagcc ggagttgttc 180
 gagcctctca tggcctgtca ggctcccaag tacatggtgt tcgcctgctc agactgccgc 240
 gtgagccctg cggtgacact gagacggcag cccggcgagg tattcacctg ccgcaacatc 300
 ttgcgcatgg ncccagccta cgacaagacc aagtacactc gcacggggtc cgtcacgcag 360
 ta 362

<210> 26968
 <211> 336
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-043-Q1-K1-D7

<400> 26968
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 actcactgac gctgaggtcc ccctggacgg ctacggtggt ggccgtggag ggcggggcta 120
 cggcgggtggc gggcgccgat cggtttcgga gaagagaagc aaatcaagat gtttctcggc 180
 tcgctcccgc ggcgcccag caaggaggct gcttacaagc agctgcngtc ggacatcatc 240
 atcatggcct gctgcgccgt cgtgaatgcg gccacccctt acattctgca attcgctcgc 300

ccgcgacggc gacattcagg aactcaagct agatct

336

<210> 26969
<211> 62
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-D8

<400> 26969

gacccacgcg gccgccagcc gccgtcggat cggattcgaa ctatagcaag cagctgcagc 60

cg 62

<210> 26970
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-E1

<400> 26970

ctcgtagaga gaaggaaaaa tatccctta ccctagctcc cgatctcgat ggcgaaccct 60

cgcgctcttct tcgacatgac cgtcggcggc gcccggcgcg gccggatcgt gatggagctg 120

tacgccaacg aggtgccccaa gaccgcgag aacttcgcg cgctgtgcac gggcgagaag 180

ggcgtgggca agtccgggaa gccgctccac tacaagggt ccaccttcca ccgggttatc 240

cccagattca tgtgccaggg cggcgacttc acccgcgga acggcaccgg cggcgagtcc 300

atctacggcg agaagtttcc cgacgagaaa ttctgtcgca agcacaccgt ccccggtgtg 360

ctcttcatgg gc 372

<210> 26971
<211> 238
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-E10

<400> 26971

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gcggccacca cggtgctcga cctctcccg cgcctgcagcg tcgtcatgct gctcgcctac 180
gtcgcctacc tcttctatca gctcaagacg cagcgcagc tgttcgagcc gcatgagg 238

<210> 26972
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-E12

<400> 26972

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atcaccggca cctcccaggc tgattgtgcg gtgctcatca ttgactccac cactggtggc 120
tttgaggctg gtatctccaa ggacggccag acccgtgagc atgcgctcct tgctttcact 180
cttggtgtga ggcagatgat ctgctgctgc aacaagatgg atgccactac cccaagtac 240
tccaaggctc ggtacgacga gatcgtcaag gaagtgggtt cctacctgaa gaaggtgggg 300
tacaaccgga acaagatccc cttcgtgccc atctctgggt tcgagggtga caacatgatc 360
gagaggtcga cgaacctgga ctggtacaag ggccccaccc ttcttgaggc gctggaccag 420
atcaac 426

<210> 26973
<211> 380
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-043-Q1-K1-E2

<400> 26973

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gagattggtg aaaaccatga gctcagtggg catatgacag tgcagcttgg tctgctactg 120
cttgctctgg actctnggcc tcggatgttg attccaaaac ctgttctact gaagaagcta 180
catcagcaaa ggcacatcagg tcaccagtac gcaatgcttc acggcgctga tgaatcagtg 240
ggagcagaac ctggggaaca tcatgagggg gcacatgtcc atgaggagtt tgagttcagc 300
gaagttcttg atcaccagct gattcacacg aacgaatttg gtcttggtgc agtcccaaac 360
acagctgtcg accttcggcc 380

<210> 26974
 <211> 203
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-043-Q1-K1-C5

 <400> 26974

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 tattgtttca gtagcttggt ggacgaattc ctgttcctgg tcatccggcc gccgagaagc 120
 cttctcgcca tctagcattc tcttggtcat gttggcctc tgaacgagcc gcaccagcgc 180
 ttgcaccagc tgcattgacat tga 203

<210> 26975
 <211> 287
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-043-Q1-K1-E3

 <400> 26975

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 caccagtcgt caataaataa ataaataaat aaataaataa ataaataaag gccaacgtac 120
 gacgacaaat tagtggcgcg cgcggttagta gctagcagag tatgcgccgt cactgtgtcg 180
 atctgcagtt tggtcgttta aaagtgattg tagtgtgtac tatgttcagc tcgatgatat 240
 aggagtcgct atatacgctt gctcccgtgc tgaacagggt atcgatc 287

<210> 26976
 <211> 393
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-043-Q1-K1-E4

 <400> 26976

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 gttccaatgc tttgcttcga gtgctaaatc tgtcagcaga tctatattcc ttgcataccc 120

tggctggaaa acttgaatct gtatcagcga gaggaatgga tcaggagaga tcaaggtatc 180
 aaaagataga agaattgaaa gaaacagtaa gagccacgga agatgcaaaa acacgtgcac 240
 ttaaagaatt ggaacttatt aaggataata acatgaatga aattaaaaga tntaacaagg 300
 aaaggcgcca agatttggtg gagatgctaa aagggttgt attggatcag gccacatnac 360
 tcggatcatt tgctacaata tggacaaaag tag 393

<210> 26977
 <211> 431
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-043-Q1-K1-E5

<400> 26977
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 ctggccgcgc cccccgctc cgtcccctcg cagattccca ggtcttcgcc gtcctcttcg 120
 ccgcaaaga gcaccacta ggttaaattc gccaggggga aatctccatc aagtggctcg 180
 tgctaattat gcgatcttca tgggctgact cagttgcgaa cgccgaggaa tcggcgcccc 240
 cgactgctgc tgctaattgc tctgntgcaa ctcatagcac ctgcgcgcct acgcgcagct 300
 cctacgtgcc ttcacatctt cggggccgct cagctggtgc tgcttgtaga gctcaagcag 360
 gcttagtagc accagcaca ggtggaccac tggcattggc ttctgcacaa acttctggtc 420
 aggggtgctgc t 431

<210> 26978
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-A6

<400> 26978
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 aagcaagaaa tgatcatgag gcagcagaga agcttaagtt tgtcatttat caaaggccca 120
 aagcattcca aaatggaagc actgatttgg gaaacaagaa tgggtgcacca aaaactgttg 180
 aagagagaat agaggaatat aataaagcac gagcacgcat cttcaatggc tctgtttctg 240

cagattctga tgctgcaagt gttctgggaa ctctttgcac tggcagagat gagtcagtaa 300
 atgttgaacc ttctgttgat taaatcaaag tcagcacgat gaacaaccgt tccatagttg 360
 ct 362

<210> 26979
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-A7

<400> 26979

catcctttca gggtttacat tgtgttttat gggaaagttt actccagcag ctataaatct 60
 gcagtttaca agggcgctca tcggctgggg cttccagctc atggctctga aaggctctgct 120
 ctactcgatg ggtgggtggcg aggtgccact gctcgacttg gtagcgtacg gtgggtattt 180
 attcgccggg ctatcgctcg ccgctcgctgc gaggctcatg tgggcgtact cgtactatgt 240
 gatgatgccg tggatgagcc tgtgcatggg ggtgttcttg gtgaggacga tgaagagggg 300
 gctcttcacg gagatgagaa gcagcgagag gactcgctcg cggcagcact acttccttct 360
 cttcatggca atcgcacagt tccctgttct ttctggctcg gcagca 406

<210> 26980
 <211> 432
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-A9

<400> 26980

ttatgccacg agcttggcac tatgtacgta cgtaaccac taaccagaca tgatcacatg 60
 aatcatgcc aagaataacg taacgtgcag agtgcttggg cgtccatcg tttattcttt 120
 cacacaagac aacaacaaaa gaacagactc gaaaccaacc cgtaatcact cgaccacagt 180
 cgccctgctg ctgctgctag tcagtataca acgcttctgc agcatcagct cccgaaacct 240
 acccgcggcg tcggcgaggg cggcgcgag gagggcgctc agcagccggt tgcaggcgga 300
 gacgtcgaac tcgggggcct tggagcgctg cactggctcg acgacctccc cggcatcctc 360
 caagccgccc cagccaggt aggcagagac cagcagacg tagttccggc tcgtcatgcg 420

ctgctgcgac tg

432

<210> 26981

<211> 332

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-B1

<400> 26981

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ggagcagatg ttgtgtatac agatgttttg gccagcatgg gccaaaagga agaagctgat 120
tatagaaaac agaagttcca gggattcacg gtggatgaag ccctgatgga gattgctggc 180
ccacaggcct accttatgca ctgtttgccc gcagagagag gaggagggt gacagacggg 240
gccatcgagg ctccaaattc aatcgtgttc ctccaggctg agaacagaat gcacgctcag 300
aacgccatca tgcttcatgt tctcggtgct ta 332

<210> 26982

<211> 335

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-B12

<400> 26982

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ttccttttct tcttcttctt cgggggtttc aggttttagta atctgctagt gagatggaag 120
aactgaggtc agatcagacg tgggtggtgac tagccatgaa agtgaacttt actggtaccg 180
tactgtgcga tcaactggtg ggggtaatta gctagctagc tagctgctgg gggtatgggt 240
aatgcatgaa ctgctattag ttaccagggt ttagtggttac tctcgagtcc tgctcttggt 300
actgtttgtg tactgactgt gtcactccac tacta 335

<210> 26983

<211> 342

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-B2

<400> 26983

gttcgagaca ccaagtataa agtttctttt cagcgttaag caactaactg aggaggacaa 60
gtctgcctgg tcagaacttg tggtttctct gaagtcagaa tatccgaagt acacaccttt 120
gctttctaag attttgcaat gtgtcctcca gaaaggaact gatggtgata agattagcca 180
tgaaaaagag gttattgctg cagccgatga ggttggtggc agtattgata aagaggaact 240
ggctaagtat ttatctctaa attcagatcc tgaagatgaa gaagcacaga aattcaagaa 300
aaaaatagaa gatacgcggg atcagttggc tgatgcacta ta 342

<210> 26984

<211> 422

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-043-Q1-K1-B3

<400> 26984

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tgccgtgatt taacgtgaga agctatcttg gtataatggc acccacagnc catcaaattg 120
cctgatccaa agcccaagct caaagctcag tatchagagg gttgttaaca atctcaaggg 180
cgtcaatact gctgatgaaa tgggcctgca cgtcaaagca atgagagcac taaaaccag 240
acttcattgg aagaagactt cacaggccaa agggctgaaa agtccatctc ggcaagtttc 300
cctgtagatt cccttggggc ttgaagaaag tattcgatta cccttccagg cagagtgagg 360
ttgacattgg cagccctaag gcatatgacg gagaagtgat ctgaaaagct tgggcattcc 420
aa 422

<210> 26985

<211> 199

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-B4

<400> 26985

cggacgcgtg ggttttaaag gtaatagttg tatataagca gagttctctg aactcgcgc 60

cattttaact ggatgtcatt ttccaattga tacaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gaaaaaaaaat gataaaaaaa 180
 aaaaaagtaa aacaaatta 199

<210> 26986
 <211> 368
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-B5

<400> 26986

cccacgcgtc cgcaatatcc atcaatactt aattgatatg gcagatgagg tcattaatgc 60
 tggtcgtttt gatcaaagaa caacccatga ggaaagacga atgactctgg agacactcct 120
 gcatgatgaa gagagatatc aagactctgt tcatgatgtt ccttcattgc aggaagtga 180
 ccgtatgatt gctaggactg aaagtgaagt cgagcttttt gatcagatgg atgaagactt 240
 tgattggaca ggtgatatga cgaagcatga tcaggttcca aagtggcttc gtgttaactc 300
 caatgaagta gatgctgtgg tggctagtct gtccaaaaag ccgtcaagaa atatgtcatc 360
 tggggggca 368

<210> 26987
 <211> 195
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-B7

<400> 26987

tcgcgcgagc gttcgcccta aatttttcat tttagaagcg aggcaaattg cccaggacac 60
 tgattaaaga aatggggctg ttccattcca tgactgaata tgtcatgtac ataacaccct 120
 attgccatac ggtaacaaat gatagcaatc tgttgcagac atagattatt cgatgatgct 180
 tttaaagata tgcac 195

<210> 26988
 <211> 143
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-B8

<400> 26988

accacgcggtt tgcctacgcg tttgcccttt cgatcgccca cgcgtccgct gacgcgtggg 60
ttgacgcggc ggatgtttgt aattccaatg atacaactca gatccaaaaa aaaaaaatt 120
aaaaaaaatt aaataaaaca aaa 143

<210> 26989

<211> 443

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-C11

<400> 26989

tcggagaggg tactccctct ctacgagcgc tgtgcgggag attgtcaggg acataaagga 60
gaagcttgcc tacgttgccc ttgattatga acaggagctg gagactgcca ggagcagctc 120
ctctgtcgag aagagctacg agatgcctga tggtcaggtc atcaccattg ggtcagaaag 180
gtttaggtgc cccgaggtgc tgttccaacc atcccttggt ggcatggaat cgcctggcgt 240
ccatgaggcc acgtacaact ccatcatgaa gtgtgatgtt gatatcagga aggatttgta 300
tggtaacgtt gtcctcagtg ggggatctac catgttccct gggattgccg atcgtatgag 360
caaggagatc acgttctctg ctcttagcag catgaagggt aaagtgattg cgccacctga 420
aaggaagtac agtgtctgga tcg 443

<210> 26990

<211> 355

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-C12

<400> 26990

gccgccgtcg caggctttcc cccatcgtct cacaagatgc agatctttgt gaagactctg 60
acggggaaga ccatcacttt ggaggtggag tcctcggaca ccattgacaa tgtgaaggcc 120
aagatccagg acaaggaggg catccccccg gaccagcagc ggctcatctt cgccggcaag 180
cagctcgagg actgtcgcac cctcgccgac tacaacattc agaaggagtc caccctccac 240

ctggtgctcc gccttcgagg tggctccaag aagcgtaaga agaagacgta caccaagccc 300
aagaagatca agctcaagca catgaagggtg aagctctccg tgctgcattt ctata 355

<210> 26991
<211> 276
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-043-Q1-K1-C2

<400> 26991

cacgggaaca tcaagtcttc caacgttttg cttggttcag actttgaggc ttgccttaca 60
gacaattgct tgctgttcct cctggaatca tcagaagtca aagacgatgc tgcttacaga 120
gcaccagana acatganatc caacagaatg ctaacgccc aatcagacat atatgctttt 180
ggtgtcctnc ttcttgagct ccttagcggg aagccaccgc ttgagcactc aatcttggtc 240
gcaagcaatc ttcaaacctg tgttcagtca gcgaga 276

<210> 26992
<211> 390
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-043-Q1-K1-A5

<400> 26992

gctgcattaa caccactcca gtatcagttt atatggtgta ggtccgcaac agaaaagttg 60
ttctgtgagc tgggtgcccc ctaacgtctc aggcagaagc aaggcggcgt tgccttcgca 120
tgatcctgaa atggaggtag atccatggaa tcttctcgaa gatggcacia gctgcccctc 180
aacagcatct ggaagccatg gcgcgagtgg agtgacgggt gaccatgcta atctgaaagc 240
gtgcagctgg cttaaggggt ctgtgagggt gaggaggaca gaactgacct acattggctc 300
tntagacgat gacacctgac gtgtgtatga ttattttggt gaattgtgga agaaattagt 360
ctcacctgtt ggcaactggag tgaatggtgg 390

<210> 26993
<211> 383
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-043-Q1-K1-C3

<400> 26993

cccacgcgtc cggccacgtc agacaacatc aaatgttggg cacctaaata agccatctat 60
tcaggctctt atccatgggc tgaatagaca ctactactca attgcaatca attaccggaa 120
aaatgagctt gaggagaaaa tgctgttgaa cttgcacaaa aagaaatgga ccgatgggct 180
aattttgaag aggtttgaca ctcaactcga aaccaacgag cagactgtcc aggaaatgct 240
aaacctagcc atcaagtaca acaaggcagt gcaagaggag gacgaactgc ctnctgagaa 300
acttgcgata gcaaatgtgg gtcggcaaga tgcaaaaaag catttggaag agcatgtgtc 360
gaatttgatg tcatcaaaca tag 383

<210> 26994

<211> 220

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-043-Q1-K1-C4

<400> 26994

aggcacagaa gattgttgca ttcgnggttc ncattcgcaa tgccaagcga aagcaacgaa 60
tggcagtcaa gcaccgggat cacatgaggc gaaagataat ggcgatgaag attggcaggt 120
ggatgagata gcttgggtatt taggctctgc ggaatgcggt gaatcatata attgtagtgg 180
ataatttttc gtgctacaag tgctggcata aaactatggt 220

<210> 26995

<211> 177

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G8

<400> 26995

atccattata tgaaatacga caactgcaac gactccggaa ggagcttgat ggacaggtat 60
acgaagatga acgacactat gaagacgtat gggaagggca tattattatc gctgtgcgaa 120

tggtggaggc aaaacgctga tacctgggca agctgcatgg ggaacagatc gagaacg 177

<210> 26996
<211> 169
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G9

<400> 26996

cgatgctata ctgaatgctt actggaattt tgatcatcat atgtcactag tgcattaggg 60
gtgcactgag cagaggaaac cttggatttg cacttctact gatgccatgt cacctttcaa 120
aaaaaaaaa aaaataaaaa ttatataaaa taaatagtag tacattata 169

<210> 26997
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H10

<400> 26997

ctcaagcatt cccttggcca gtcacacctt gttcttctga cccgccataa tccagactcc 60
ctggacgagt ctgtcctgtg gacagagagc agggacgttg gtgatgggtt ccgctgcatt 120
aggatggtca acaacatcta cctgaacttt gatgctttac atggagacaa ggaccatggt 180
ggtgtgcgcg acgggacggc ccttgtgctg tgggagtggt gcgagggaga caaccagcgc 240
tggaagattg ttccctggtg aacaaggaaa tgtgtgaccg agcccgcacc aaggaggagc 300
tctgcccgtg ataagtgaag tgattggtac tgaagtttct ggaaataaga tgcttttcct 360
agatgcctgt ttgtgtgagt atttgcggtt ccaatttcgt tttcatgatt attaaacgcc 420
ttgattt 427

<210> 26998
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H11

<400> 26998

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cgagagagac gaatcttccg aatctctcgg tgcgatggcg ctctccgacc gctcccgcga 120
gtcgtcctc ccgagcttcc tctacgcctc ctccggcgcg tctttcgctg ccacaggagc 180
cgccgcgcgc ctccctgtct cctccccggc gcctgccgcg gctggagcag gaggcggcgt 240
gccgttctcg atccaggcgc ccaaggagaa gatcgagatg tactcgccgg ccttctatgc 300
cgctgcact gccggaggaa tcgccagctg cgggctcacc cacatggccg tcacgcctct 360
cgacctcgtc aagtgaata tgcagattga cccagcgaaa tacaagagta tctcatctgg 420
at ttggatc ctgttaaagg agcaa 445

<210> 26999
<211> 405
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-042-Q1-K1-H12
<400> 26999

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tggtgaagaa ggccgcggcg gggcgctcgc gcggggggcg cccaagaag aagccggtct 120
ctcgtcctgt gaaggccggc ctccagttcc ccgtaggccg tatcggccgc tacctcaagc 180
agggtcgcta ctcccagcgt gtcggcaccg gcgccccgt ctacctcgt gccgtcctcg 240
agttacctgc cgccgagctc ctcgagttgg cggggaacgc agcgcgggac aacaagaaga 300
accgatcat cccgcggcac gtactgctgg cgatccgcaa cgacgaggag ctcggaagc 360
tactggccgg cgttaccatc gcacacggcg gtgttctggc caaca 405

<210> 27000
<211> 250
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-042-Q1-K1-H2
<400> 27000

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gactgtttta cttttaataa acaacgcggg gcacagatta gcgcattcat ttatatatat 120

gcccttggtgta atgggcatta ctataccgct atggcggttg atgacctaaa attacattag 180
 tgactgggtc cttcaaaaat gagaaacaac tcaataatgg aaagcattct ccattacgag 240
 aagaacccaa 250

<210> 27001
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H4

<400> 27001

cggacgcgtg ggtgttggtg ttggcctgct tgccttctct gctcgatcga ccgccacgtc 60
 gtcggtgatc gccgggaccg gggcggtgt ggtggttggc tgctccgctc gtctctatgc 120
 tggcggtggg gttggtcggt ggcccgtgct cgcaggtcgt tgcaatcatg caggcgatcc 180
 atccaaaaag tacttgttgc cttggcggtt ttctcaggct gctgaccagc gtggtcgcgt 240
 actgggcatg catgtttttg acgcttgcta tttgcctatt cggggtggtt gaggcataaa 300
 actttatata tatagagaga gagatttatt aagattaatt g 341

<210> 27002
 <211> 324
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H5

<400> 27002

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 ctgaaggatc aaccatctac ccacatatt ccttgaagac ctactggggc ttctctcact 120
 ttgaaaaccc agcccagggc gctgtgggat catggttagat taatgcgccg cgcacgccgc 180
 atatcatgcc atgaacttag ttgaggccaa tctgtgctgc tgaaatcaaa cacttatgaa 240
 cgtttgttct gaacatcact ggaactctcc atttgcttgt atgacatgct tatggttcag 300
 cgagtttaat tccaacgttt ggtc 324

<210> 27003
 <211> 358
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H6

<400> 27003

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ccacgtggta gtgatcgccg gaaccgagcg ggcgtggcgg atggctgctc cgctcgcttc 120
tatgctggcc gtggggatgg tcgttgccc acgtccgcag gtcggtgcaa tcatgcaagc 180
gatccatcca aaaagtactt gatgccttgt cggggttctc aggctgctga ccagcgtggt 240
cgcctagtgt gcatgcgggt ttttgacctt ggctacttgc ctattcaggg tgtttgaggg 300
atgaaactat atatatatag agagagagat ttatgacgat taactgacct tgtacagt 358

<210> 27004

<211> 277

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H7

<400> 27004

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ccaagagaca agtgaagggt caacacagga ccggccatat aattagaaga cccaccgggg 120
caacacacac tatgaaaacc caacccaagg cgctgaggga tcatggtaga ttaaagcgcc 180
gcgcacgccg aatattatgc catgaacata gatgaggcca atctgtgcag cttaaataca 240
acacttatga acgatagttt ttaacattac tggaaca 277

<210> 27005

<211> 400

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H8

<400> 27005

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ccactgctgc ggtccactgc atcccgggtc cgtcttctcg tgccatgcta cggttgcttt 120
ctcccgtcgg cgctgcgca gatttggccg ccgtcgccgc tgaccagggc tgtcttgatg 180

gcgcccgatg cagaagccgc taaggggaca ggcaccgttc cacaaagggtg ctctgccatt 240
gaacgaaagg atactggcat gcatgtccag gaggtctgct gctggacacc cttggcatga 300
tctggagata ggccctggag ctccaaccat attcaactgc gtcattgaga taccagggg 360
cagcaagggtt taatatgaac ttgacaagga aactggactg 400

<210> 27006
<211> 233
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-H9

<400> 27006

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catgacaggc cggctcggct gaaacgtcag cagggccaac acaccaaca acccagcaa 120
gtgccgcatt agcgcgcact cgcccagcac ccacacacgg cgactgacct aagaacaact 180
gatccatgga accacacgag gaagacgctc gaccgctaga cggcaccgta cga 233

<210> 27007
<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-A11

<400> 27007

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gcgagctgag cggcacactt ctgagcgagg acgacagcaa gatgaagaag cagatatcgg 120
acctgaaatc caaggagctg agcggccacg acatctttgc tctccggaa gaccacggc 180
cacgcaactc agagaacggc tcgacctcgc agaccccgagg caaaaatgca cacgtaagca 240
acttcaagtt cggcgaggcc gacgaggacg gcatggtgaa gaccgcgaag aagatcccca 300
caaagaaatt caccgacctc gcgggcaata tcttcaaggg cgacgagacc cccctggga 360
cggcggagaa acacctgagc acagcgaaac tgatggagat gaccggcagc gacatcttcg 420
cggacgggaa agccccctcg cgg 443

<210> 27008

<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-A12

<400> 27008

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tcgcctgccc catccggcgg gccgcgagcc agcgagccgc ctctccttcc tcggcgtggt 120
cctggcttgc ctttgccgcg tagcagtggc atgagggcgg ggcggccgaa gatcggcgac 180
caagcgacca gcgacgtggt agtgccgcta cggacgccgg agggccgcga cgagtggctc 240
tactgccact ccgcggtcct cgccgccggc agcacctact tcgccgaccg cctctccgac 300
gcctggccga cgtgccagat cctcggctcg cgctactgcg tcgaggtcta ctgccaggag 360
ctggacctga gtcctatgt cacagcgctt cggctcctat acgccatcga gccctgctcc 420
catttcggcg ttcgcggcgc gctgggcgtg c 451

<210> 27009
<211> 200
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-043-Q1-K1-A2

<400> 27009

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ccgtgccagc tgctgcacgc ataaatcttg aatgtgctgg ttgagagttt tttagttgct 120
ctgcaggatt agacaatgtt ctaagactac catgttttaa gtctgctgat gctatattca 180
tgaacgattt tgcagctagc 200

<210> 27010
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-043-Q1-K1-A4

<400> 27010

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tgacatccta ggtgcagtc tggattccat aaaatcagac aaagggaatt cattcttgga 120
 tgagatcaag acaacttcaa gtttaaagtt ggttgatttc agaccacaac atcttaagcg 180
 atcaaagttg gacgccttca tgtaggcaca taagttattg ttacctggta agtctgttct 240
 agtccaagtg ttaatatgtg tcttgggtag ttatttggtc tgaagacata cacttgattt 300
 aaatactctg aactattctg atgacagatt accaatgggt gccgtcacc agcagtttag 360
 tttctttgga ccctaatacc caaacgcctt tttgatgtac tg 402

<210> 27011
 <211> 221
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G4

<400> 27011

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 aactggttgt gtggcttcca gccctgtgca ggaagatgga ggtcccttac tgcattgata 120
 aaggaaaggc tcgccttgga tcgattgttc acaagaagaa tgcacagtc ttgtgtctga 180
 ccactgtcaa gaacgaggat aagcttgagt tcaacaagat c 221

<210> 27012
 <211> 430
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-042-Q1-K1-E10

<400> 27012

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 gatgggtttc tcccagggtt ccattctgtc ggcggcgctt ccggggctcc aagaacaagg 120
 gctggccctg actagagtc cgaaggtaa gtacctcatc atcatcggtg gcgccaagtt 180
 ccagtcaccg acggtggcca gcaaggcgtc cgccaacaag atcgcatgcc cctcgcttca 240
 cttcatcggt gaaaacgact tctgaaagt ccatggtgaa aagctgatag aatcatgcgt 300
 ggacccattc gtaatccgtc acccaaagg ccacacagtt ccgaggctcg atgacgagaa 360

gtagtggtc atgcaccgtt ttcttgagaa gattgaaggg gaagtacttg agtattcgtc 420
 caaagatgtc 430

<210> 27013
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-042-Q1-K1-E11
 <400> 27013

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 gtacagcacg ctgatgccgt gcctgccgtt cgtccagatg ggcggggcca tgccgcccc 180
 gccgtgctgc ggcgcatcc gcagcctgct gcagcaggcc aacaacaccc ccgaccgccg 240
 caccatctgc ggctgcctca agaacgtcgc caacggcgcc aacgggagcg gcacctacat 300
 cagccgcgcc gccgcgtgc ccagcaagtg cggcgctgcc ctgccgtaca agatcagcac 360
 caacgttaac tgcaacacga ttaattaaat gaggcgtcct gtgcgcgtcc gggcgaggaa 420
 tgcattgat 429

<210> 27014
 <211> 171
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-042-Q1-K1-E4
 <400> 27014

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 tcacagaaat gcttgtgcgg caggctgttc caaggcttta aactttatgg tgctttacat 120
 tcctaataaa ccgaattgtg tatatgatgt ttgggaaaat ggtgattttt c 171

<210> 27015
 <211> 339
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-042-Q1-K1-E5

<400> 27015

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aaaagagcag tcgtgtagca tagttatacc ataatggcat tcgtagccat ttcacgtggg 120
gtcagtgtcg cagtttacia tgtactaggt ctagtgcgtt atactgacaa aattgacggg 180
tctgatggaa gaacataacc tgaggaaatt ggcttggaag aagtactcat gagcatgttc 240
tgcaatttgg cgggcactca gactatctcc aattatatcc actatattcc ctctgtaaga 300
aaaaaaatct ttcgtattaa ttacggtgaa attgtgaca 339

<210> 27016

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-E6

<400> 27016

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tagaactagg agagggaag tgagaagttg tgtagcatag ttataccata atttcattcg 120
tagccatttc agttttgtaa gtgtagcagt ttacaattta ctaggcttag tgcgttatac 180
tgacaaaatt gacggttctg atggaagaac ataacctgag gaaattggct tgtagaagt 240
actcgtgagc atgttctgca atttggcggc cactcagact atcttcaatt atatctgcta 300
tattccttct tt 312

<210> 27017

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-E7

<400> 27017

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gctccttcgt cgggccagcc attgttccag gccacatgat cacattctgg ctctggatta 120
tactccgtca ggtggaggct atcgagacac atagcggctt tgatttccca ttcacccga 180
caaagtatat tccattctat ggaggagcag aataccatga ctatcatcat tatgtacgag 240

gccagagcca aagcaattct gcttctgatt tcacttactg tgattactta tatggcactg 300
 acaaaggtta cagattccac aaaacatacc tagcaaagct taaggatctg gggcat 356

<210> 27018
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-E9

<400> 27018

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 cacgttcacg atcgagacgt cgggtgctgtg ccaccagggg gcgccgggga cgtgcaccaa 120
 cgccacgggc tacgtcttct gggacggctt ccacccacg gacgccgcca acaagggtgct 180
 cgccgacgcg ctctctctgc agggcctaca gctcatcgcg tgagccacag ccacgcaacg 240
 gcctcccgtc gcccttatac gtaccttgct gcttctgtcg ttccctctctg ctactgtgtc 300
 tcgtgtgctt gtctgtctga ctgtctgtct gtctgtctgt ccatgatctc tcgtagcttt 360
 gtgatgcttg gaaacacttg ggagtgtgtg aagatttctg gtctg 405

<210> 27019
 <211> 268
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-F1

<400> 27019

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 actatcaagt tgctgaatgg tcacaactgg aacacatcat tttagaactg gagccagtac 120
 ccaattaacc aaagcgtaca cgaacaaggg gaacaaagag ctctgggtgca agtagttgtc 180
 ggcacattac atatgaagag tatattattg attgggagct gaagtgttca gtcaggatat 240
 tgtcttgat tcagcctgta cctatttg 268

<210> 27020
 <211> 392
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-F12

<400> 27020

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acatgccaga cgatggtgca taaaatggca ccgagggagg aggctctaga gttaaataatg 120
ctgtgatgga tgttcccatc accttacctt cgttgaaacc agcttttgac aagcctaacc 180
ccaaacaagg cattggtatg ctgtcatgga gcatcgacag cactatttc ttcaccagga 240
atgacaacat gccaaactgtt ctctggatat gggatatatg ccgccttgag cttgccgctg 300
tgctcgtgca taaagatcca atcctgtctg tatcatggga ccctacctgc aactccttg 360
ttttatgcac agagagcctt tacttgttca tg 392

<210> 27021

<211> 348

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-042-Q1-K1-F2

<400> 27021

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aggcgggaag gcgaagaagg gcgcggcggg gcgcaaggcc ggcgggccga cgaagaagtc 120
ggtgtcgcgg tccgccaggg ccgggctgca gttccccgtc agccgcgctg ggcggtacct 180
caaaaagggc cggtagcgcg agcgtgtagg cacgggtgcc cccgtctacc tcgccnncgt 240
cctggagtac ctgcggccg aggtgctcga gctcgccggc aacgcggcaa gggacaataa 300
gaagacgcgc atcatccgc gccacgtgct cctcgccatc cgcaacga 348

<210> 27022

<211> 356

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-F4

<400> 27022

cacgcgttcg cggacgcgtg ttcacgtcgt gtttcggtgt ctgcgcgccg agaaggaaca 60
aaggaagact gtagctgtgc agagatagtg agccctctgg gcgggtggcc gccataaac 120

ccgcacagct tcagccagtt ggtttgtttt tattctacgc aacaacttcg aatgtcacac 180
cattcacgta tgtttcgacc cacacgacag atccgtcacc caattcagtg ataacgaccg 240
atgccatcaa cattctgttt aggctcttgt tctataaatt tccggagaat ttgatgccaa 300
agagagctgc gcctgacaac ctatctcctg agaacaacaa caacatgaag caaccc 356

<210> 27023
<211> 449
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-F5

<400> 27023

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cgctccccg cgtgcgcgc catggtgaag tactcgcagg agccgggcaa ccctaccaag 120
tcggctaagg ccatgggcag ggatctgagg gtccacttca agaacacaag ggagacagcc 180
tttgcgcttc gcaagttgtc ttgaccaag gctaagcgat accttgagga tgttattgct 240
cacaagcagg caattccctt ccggagatac tgtgggggtg ttggtcgcac cgcgcaagct 300
aagtctcgcc actccaatgg gcagggccgc tggccggtta aatcagccgg gttcatcctg 360
gatttgctga agaattgctga gagtaacgct gatgtgaaag gctcggatgt ggacaacctc 420
tatatttcac acatccaggt gaaccaagc 449

<210> 27024
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-F6

<400> 27024

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gaagacggcg gctgtgcgga gatggggagc cctctgggcg ggtggccgct atacaacctg 120
cacaacttca gccagttggt ccctgccgac ccctccgcgc agccctcgaa tgtcacacca 180
gccacttatg ttgcgacca caggacagat ccgccacca atcaagtgat aaccacggag 240
gccaggaaca tctgtctgag gcacttgtag cagaaatccg aggagaagct gaggccaaag 300

agagctgcgc cggacaacct agtcccgag aacaacaaca acaagaagca gccagggga 360
cctgtgggcg acgttggggg ccagtcgagc gcaagaagct gaagacgcac 410

<210> 27025
<211> 125
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-F8

<400> 27025

ggcgggttaca agcaaggcag cagcacctga ccagcacgcg acagaggaca catataacca 60
agacccccgg aggccacacg caccctaggc agagacggag gaaaacacca ccagagaaag 120
gagag 125

<210> 27026
<211> 167
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G1

<400> 27026

tcgctccata tgagtatcaa tatgggcaga tgattgtggt agataagatt ttaattgagc 60
tgccaagtat tggcatttgt ccagagacag tgccaaagct gaatgaacgg tgacgatgat 120
gacgatattt tttaaaaaaa aaaaaagaat gtacaaaaga agataac 167

<210> 27027
<211> 300
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G11

<400> 27027

cccacgcgtc cgcggacgcg tgggttggtt tattccagat gccattggaa gcatcggtgt 60
cgtgccatct ggttttggac atctgacagt gcaggttgaa gatgaggact acgacaatga 120
ggattagtca gggatcatctt ctattgtat gactaacag gactgttctg gtgttgtaaa 180
atgtaaatat agtttgaaat agttgccgca gtttacctgt gattgtctgt cgttttatgc 240

ggttatgtag tctgtgtaa ctttcgttct ccaataattg cttggtagtt gcttttttac 300

<210> 27028
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G12

<400> 27028

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actgcgttca cctctgcctt ttgttcaccc ctgcacgcgt tctctggcgc tcttgtctcg 120
tgcgtgcgac aacaactggg cgaccgccgc cgccgccgcc gccgccctac gccaggtgcg 180
caggtcttcg tcggatcctt cgccagcgag gcgacgagca cctaccaggt gatgcccccg 240
gcttaattga atgggctctc ttctcaccag gactggcgtc ctgccatggc tccaggccaa 300
gatcgttgat cccgtgctgc atgtcatcag aaggggagca gaaccaagc aactggcctt 360
ctttgctgcc cttggtgtca cgattgggat ctttcgata tgtgggacca ct 412

<210> 27029
<211> 342
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G2

<400> 27029

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gagcaatggg tgggtattag tttgtcacca gtacctcact acctcgtgac agtggtcaca 120
tattttcaag acccctggag gctacacgca cctcgtcag agatggatgt aaatatctct 180
agagaaagga gaggtctggt tctgattgct gtttacaggt tagaggtgca gcgtatttac 240
aaagagatat aagagttatc acttatcatc agactgcctg gtttgctaaa taaaggtgaa 300
tttagttact agattatgag accctctggt ttgactgccg ca 342

<210> 27030
<211> 145
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-G3

<400> 27030

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tcgccgagtt atgttatcta tctataggat cgggggtaccg tttcgctttg tcaccgtgtt 120
agtggccggt ctacccttgg attaa 145

<210> 27031

<211> 353

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-042-Q1-K1-E1

<400> 27031

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tggtgttacc ttgatagagg ctgccatgca cgggctgcct gttattgcaa caaaaaatgg 120
ggctcctgtt gaaattcatc aggttctgga aaatggtctc cttgttgatc cccatgatca 180
gcatgcaatc gcagatgccc tctataagat gctgtctgaa aagcaatttt ggtcaagatg 240
tcgagagaat ggattaaaaa atatacacca gttttcttgg cctgaacatt gcaagaatta 300
cttgtcaagg atattaactc taagtccaaa acatnctgct ttcgcatgca aag 353

<210> 27032

<211> 328

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B5

<400> 27032

cccacgcgtt cgatcaagtt gattgaatgt gggaggacgc tgtgtcaaag cttggccctg 60
ctgaaagctt cctcaaggcg gtgctcgca tccattcgc tttcaagaga gtggaagcga 120
tgctgtacat caccaacttc gatttagagg ttgactacct caagacctcc taaaaactc 180
ttgaggcagc atgcgaagag ctacagggca gcaggttgtt ccacaagata ctagacgcgg 240
tcctgaagac gggcaaccgc atgaacaccg gcacgaaccg tgggaacgcc cagccttta 300

agctggacgc gctcctaagc tagtcgac

328

<210> 27033
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B6

<400> 27033

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cctcttgtctc tgcttgtctcc gccaatgccc ggcatgggtg gccctccacc tccgatgggc 120
ggaatgggca tgcttccgat gggcgggatg ggcatgccgc cgatgggccc tgggtccgatg 180
ccagcattcg ggatgccacc aatgggaagc tactgagatg tttttttttg gcagaaagct 240
tagatgatga tttgatatgt tcctgtgtaa gcagaggcgg aaacctcatt ggagttgtag 300
atggttacat tttggaatta atattcttta tgggtaccagg aaatttttgg ccagtgaaaa 360
tctggccaga gt 372

<210> 27034
<211> 408
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B7

<400> 27034

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cgggtgctcgg ccgcgcgggtg gaggaggtgc gctcggccct caacgagcac gccgacgtgg 120
ttgccgacct cttegggtcgc gtctctcccg aagtgcgcac cggcttcgcg cccgccgtcg 180
actccttcgt tggcttcttc cagccgctcg actggaagga gccttggtg atcagcatac 240
tatctttcca tgccattctg ctactggtta ccatcatctt gaggagggat atcaatttcc 300
agtcacatctt gtcagctcta acatattctg gtgtattcct tggctgaaga ttaaatacgt 360
tcctggcgca aaaactggaa gagctttctt taccccaata ctattttg 408

<210> 27035
<211> 79
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B8

<400> 27035

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ggttcgctta ccacttacc 79

<210> 27036

<211> 428

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B9

<400> 27036

cccacgcgtc cgcgtgcctt tccccaccta ctctcgcggc ttatgccagc cagtctaggg 60
tttcgggtccc ggcgtgctta tccgcccccg ccggccatgt cgaagcaagg agggaaggcc 120
aagccgctga aggcgccccaa ggccgacaag aaggagtacg acgagacgga tcttgcatat 180
ctgcagaaga agaaagatga ggaaaaagca ctgaaggagc ttaaggccaa ggcacagaat 240
ggcgcgattg ggggctcggg tctgaagaaa agtggaaaga aatgagactg gtcacccgctc 300
tccaatacct agaggatgat aaggcagctg tctatctgtg ttgcgcttca ctaagtgtga 360
ttgtaacagt ggtacctctt gtgatctgtg ttccgcgatg ttgcagttgg ttgcttgatc 420
gaaagatg 428

<210> 27037

<211> 370

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-C1

<400> 27037

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atgggcccct aagaccgcag ttacatgcc aagatgcaac catggagaag catacttcaa 120
gcagatgcag attcgatcag ctgatgaacc gatgacaaca atatacaggt gttgcaaaga 180
agaatgccag catgaatgga gagaggactg accatagcat tcgcactttg cttacacttc 240

gctccctgtg cttcttcagt tttagtggtt gggatgccct gttgcacatg taatgcttct 300
 aaatagcgta tacttaagta caaatTTTTg gaaatgtatg ttctatacta tggcatccgc 360
 ttttggctgc 370

<210> 27038
 <211> 179
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-C11

<400> 27038

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 acttaagggg gcatcataag tacctcagaa gaaacctgcc aaggctcgcc caatgaagga 120
 accggttgaa gagagaaagg atgctgctat gtatttggtg ttattgatgt aaccaatga 179

<210> 27039
 <211> 223
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-C12

<400> 27039

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 tgaaaactgc gaaactttta atccccaacc ggggacttac atataattga atattcagta 120
 aagcattgca gtatggtgta tacagcgcaa attgtctgaa tgacccacc acaatgtacc 180
 ccacctttat tacaataaac atctaatac acactaacat aac 223

<210> 27040
 <211> 153
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-C2

<400> 27040

caaagacatg cgagtaccag acatgtgcaa ttctagtagt atggtgcgtg ttatcactag 60
 gcacgcgtac tcgtatagtt gtgttcagtt ctgggtctat agagatatgt agccctgcat 120

tgtcgaaata aatactgtgt ccactcgttc gtg

153

<210> 27041
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-C7

<400> 27041

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gctagcatgc agaagttcca aggcaacacc ccggtgtatt tggccctcc aatcatggca 120
actgggaacc tgccattggt ggtaccaagc cctgcaccac ttgtgcagcc gttccaggcc 180
attcatccca tcatggttcc tgctgcaagc agcgtgggtcc caggaaaata catgtgaact 240
tgtcatacca atgacaatct ccttctgttg gaagagtcct ggctttccag ttaccctttt 300
ggtttggggg atacgtctga aaggactccg cgattttgcc tggctctgtg attcacttgt 360
cagttgctgg tctgtgtccg tattttaagt tgaagggtt tgcaaccttg tcaatcttca 420
tgctctgtgt gggttttcga aatattc 447

<210> 27042
<211> 167
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-C9

<400> 27042

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aaaaaaaaaa gagacaactt taaaaaaaaa acgaggcaaa aaaaaaaca acaaacaaaa 120
aaaaaaaaag aaaaaaaaaa caagccaaaa caagaagaca agaccag 167

<210> 27043
<211> 319
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-D10

<400> 27043

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ggccccctgg tgcagaggggt gccagatgat ggccccgggtg tacgcggtact gcgccagcaa 120
gtacccttcc gcggtcttcc tcgaggtcga cgtcgacgaa ctgctggaag tcgcgaagat 180
ctacggcgtc catgtgatgc cgaccttctg ctacatcagg aacggcgaga cgctcgagag 240
ctttgctacc gtcgacgagg acgagctccg ggacgccgtc aggaagtacg ccgtcggttg 300
cactacgacg gctcctgcc 319

<210> 27044
<211> 210
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-D11

<400> 27044
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gctgctctag ctctagccct agctagtagc tagccactcg gtcgtgtagt catcagcctt 120
ctgatcgtca cccatggcca ctgcctaggt ccagaccccg accgtcgtgg ctaccgagga 180
agcgctgtg gtggagaccc cggttcgtc 210

<210> 27045
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-D12

<400> 27045
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acccccgctg gccgccgcac ccaggcgagg cgaggcaagg cgcgtcccga acaacggaac 120
caactgcacc gaccgagtca atcaatccgg cgagtgaccg agtggggtag gttgtgtgcy 180
gcatgacgac cacgcgcgac cgtggcgccg gcggcggtac ggcgtcgagg gtcggtgacg 240
gggacgtcga cctggggcgag ggctgggact ggggcgccat cccgcggctc ctctcctccg 300
cctgcctctt cctctgctcc ggagcagagg ctgttttggg tgctgcgata agactgtaaa 360
gcaactgggt gaactgtcca gaaacttgat caccaggac caaattacca ttggagagcc 420

attttggagc acaaccacca tcga

444

<210> 27046
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-D5

<400> 27046

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tctgaagtcc aagaacggac cattcagctc ctgcatgctg cgcggattta gtggtaaata 120
tacctacaac ggacagcagt tcgatgcgac tgctagacca gaaggagcat tgtatgacaa 180
atgcagggga gagattgcca aggcgatgaa tctcaaggca ccgtgcaagg caaagaactg 240
caccttcggt ggtgtgtgga atgggggagg tggagctggc caaaacgaca tctaagtcgc 300
gtcaggtttc tactaccttt gctta 325

<210> 27047
<211> 123
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-D6

<400> 27047

tcggttctag atcgcgagct gccgcttttt gtttattttt tttaacaaac cattgatgca 60
ttggaagttg tggcaaaata ccacgaggtg gttcaatata ttactaaca acaatgtttc 120
gcc 123

<210> 27048
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-D7

<400> 27048

cggacgcgtg ggcggactcg tgttatggat ctcgaaagat cagctcaagg ttgaagttac 60
gtcagttttt ggatctgctg caccttcact caaagtgaat cttgtgcaag tgttgggatc 120

tgactctaaa gtcactacta gtgagaacat ggatcttcaa tacgaccttg acaacaatgt 180
ccattacttg gacattgctt tcattgaaaa ttgatgttgg gaaacactct attgtatttg 240
agattttact ttttgtacct ttagctgaga ttgtttttgc tactggttct agttacatat 300
aaagtgtttt tgtctcattt ttttataaaa gtttatatgg cttatatattt ttattttttt 360
tatgtttctc tttttctttt tatattattt ttattttttt tatttttttt tttattttat 420
ttttttattt tttttttttt atttttattt tctttt 456

<210> 27049
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B12

<400> 27049

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aaaaacgcgg gagtctgctg cccgggtcacg ggagaggaag caggcttata tcgccgagct 120
agaatcgctg gtaacgcacc tcgaggagga gaatgccgag ttgttgagag aacaggaaga 180
gcggcaccag aagcggctta aagagctctt ggaacgggtg acgccagtca ttctgaggaa 240
aaaaccatca ggagatctta gaagaacgaa ctcaatgcag tggtagattg gagccaagct 300
cagtcgccgt ctctttacag ttattaacat agaatttgcc cctgtatgtc atttttctat 360
ttatatatgc gccaaactaag ttgtagtata ttagctgaaa tagca 405

<210> 27050
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H3

<400> 27050

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gccagggac cttgacgcc gccgggacag gcgcaggcac agccggcact accggcatgg 120
ggactgcagg cactacgggt accgggttcg gcggcctagg accagcaggc atggacacag 180
cggcggcggc ggcggggggc ttgtctctcc tcccagaggc tgggctgtgc gctgcctcgc 240

tcgcgctcct cctctccgcc atcgtgctcg cgtgacgcct tcacatgacc tcggaaacaa 300
 caacctactg cctgcatgct agtagtagta gaaagcgctg cccttttggg aggtgtatgt 360
 agttcaggag tactctgatt atctatggag aaaggggtggg aattattggg g 411

<210> 27051
 <211> 391
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-040-Q1-K1-H4

<400> 27051

ctgaactatg ctggaaatac agtcagaagc tctttaccga ttggagccat gcagtacagt 60
 gtactgtgta cacagagact gtagaatcac ccaggcccca cttggaatgt ggggatccat 120
 acaatttcca ctggatagta ctgtttctgt gaaatagctg aaaagttcat gggaagtctg 180
 tgttaatctt ttttatatat atatcttggt gggggcagaa cagaagcagt caaatatattt 240
 ttttgtgcat atgtgaaatt ccagagttgt ggggtggtgag agataggata caatgctgta 300
 tgtatttcag gaacttctgt aacacgagaa cattcatcat gtgaaaaaaaa tgtaactcaa 360
 tgtgttggcc aaaaaaaaaa acnaatataa t 391

<210> 27052
 <211> 436
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H5

<400> 27052

cccacgcgtc cgcggacgcg tgggtgctcg gccttgagac ctaccctggc gtcaagcgca 60
 tcaccatcaa gccccagact gaccgctggg tgttccccga gaccaacact ggcatcattg 120
 tccttgctga gggtcgcctg atgaaccttg ggtgtgctac tggccatcct agctttgtca 180
 tgtcctgctc attcactaac caggtcattg cccaacttga actgtggaag gagaagagct 240
 ctggcaagta tgagaagaag gtgtatgtgc tccccaaagca ccttgatgag aaggttgctg 300
 ctctccactt gggcaagctt ggtgccaagc tgaccaagct caccaagtct caggccgact 360
 acatcagcgt gccgatcgag ggtccctaca agcctgcccc ctaccggtac taggcagcca 420

gcacacggct tgcagc

436

<210> 27053
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H6

<400> 27053

cccacgcgtc cgcgagacgcg tgggggggaa gcacaagggtg gcgcagatgg caagctggag 60
gaagcaaatg tgatgtcggc ggacaagatg atggaggaag caaatgtgac gtcggcagac 120
aagatggagg aagcaaatgc catgtcggcg gacaagatgg aggaagcaaa tgccacgtcg 180
gcgataaga tggaggaagc agatgccacg tcggcggaca agatggaaga agcagatgcc 240
acgacgtcgg acaagatgga agaagtagat gccacattgc cggaaaagat ggaagaaaca 300
aatgtcacgt tgccagacaa gatggaggaa gcaaatgcca tgctgccgga caagatggag 360
gagaaaaatt ctgatccgaa agacaagatg gatgaagagt gacgtggtgg tgtaaccagt 420
tttgaaatag cgttagac 438

<210> 27054
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H7

<400> 27054

cccacgcgtc cgcccacgcg tgcgctgtgc tctacgggaa ctccagcata acaccagtaa 60
ctgccctctt aacgccatcc gcgagaagta caggcatcaa aagtttgaat gcgtagcgaa 120
cctaacttca ccggagtcc ctcggtcggt cttcagctga caccgcaatg gcaccgattg 180
atgagcaacg ttagcagcag ccgtagcagc atgttgcggt aacattattg aagcatacac 240
ttttaccccc caatgtatga ttgggctggg tgctgctatc gagctgctgt gtaccggcct 300
ggcctttctc gagtcgaaag tgagatgaaa actgacagag agatggctac ttggcttttc 360
ttcagcatgt ttgacgtaaa aggttcaccc aggtgtaaac aacactgtgt gtaaggcttt 420
ttgctagggc 430

<210> 27055
<211> 281
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H8

<400> 27055

cggacgcgtg cgctgtcacg gaatatgtac atatgtttca caggggtatg ccagcgcggg 60
taagcatctg tgctctgtgc gagcgatatg ctggcatgag cagctgcaat gccttgagac 120
cctatcttga acgcaaattc cttgtccgag ctcaagatgg ctcacgtata tgacacgtcg 180
atgagtaaca ttgacgtagc tcatgccaca tgtagcgtca acatggtaga agcatatacc 240
tctacgtcgg acaatatgaa agaactggat gtcacaatgc c 281

<210> 27056
<211> 91
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H9

<400> 27056

cctaccacca ccgctcacct cggttgggct ttctcccctc ttccgaaccg gcttctcgcg 60
ccggattccg gattccctct gctctttccc t 91

<210> 27057
<211> 241
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A11

<400> 27057

ccagcgtcgg acctgcccgc tcgtaccgct tatttgagcc ggcgggccac aggggatcta 60
cgaccagta gacctaacgc gcgcggccca ggccgcgcgg ccgggacgcg acgccggcac 120
tcacggetcg tccccgcctt ctaccacccg acgatcgcgc ggcggggaga gtccgcccac 180
cacgacacag cgggcgtcta gagaccaagc tacgaccggc agcagcatac ctcttaggca 240
c 241

<210> 27058
<211> 191
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A12

<400> 27058

gtccgtcaga tcgcgagcgg ctgttctttt ctttattcta ataccatct ctatctaatt 60
atatgaagtt ttttatcatc aacatagcca gctaaactca aatcacaaat tgaattaatc 120
aatacacaaa aaccccaaat ggaaccctca tctatctaaa ccaataatat ataatactac 180
ctgaacaagt c 191

<210> 27059
<211> 231
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A2

<400> 27059

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ggactttaac tttgggttat gttggaaagt acttgaaaga cttttcctgt ggaattcta 120
ggcgtatgtt gctgtgctgg ttgggggttta ctggtgaacc agagtttttc tatctccac 180
tatgaatttg ttacctcaag ttacctggat gttcactaat tttgttgga c 231

<210> 27060
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A3

<400> 27060

accacgcgtc cgtccacgcg tccgccctct tccgcacccg cttctcgctt cggattccgg 60
attccctctg gggtttccct aacgaaggta gccatggcgg ggagaggtaa ggcgatcggc 120
tcaggcgccg ccaagaaggc cacgtccagg agtccaagg ctggcctcca gttccctgtg 180
ggaaggatcg ccaggttcct caaggccggc aagtatgccg agagagtctg cgccggcgcc 240

cctgtctacc tcgctgccgt gctcgagtat cttgtctgtg aggttcttga gctggccggc 300
aatgcggcac gtgacaacaa gaagaccgcg atcgtatcgt gccacattca gctcggcgctc 360
cgcaacgacg aaaagctctt ccgctttgct gggacgggtga ccatcggtag cgggggtgta 420
atgcccaaca ttcac 435

<210> 27061
<211> 158
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A4

<400> 27061

cgcgctgaaa cattggatca tgcgatttga ctcaaaagtc tgggtggggga gcaatgtaga 60
agctagctgc actaaaccta tcgaacgctc tcatggctac gcacagatct cactgaccct 120
gaagactggc cgtaacaga actcacggat ctacccat 158

<210> 27062
<211> 218
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A5

<400> 27062

gctaaagaac tacagtgttg tctttatctt tcaactatta ttgtcatatg gtgatgtggg 60
cacaaagtgc gctctaaagg atgagcatgt ttatgcatcg gcaaaatgtc aggctgaag 120
ggagcttata ccttttctgg caaatgattg gcacatagta ctcataatta gtcagtggac 180
caaaatgctt gaccatcatg aatgggcaat ggaaatta 218

<210> 27063
<211> 354
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A7

<400> 27063

cccacgcgtc cgcccacgcg atttcccact cttacgaaaa aaaaaaaaaa aagagaaaaa 60

aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaagt acaacaaaaa aaaaaaaacc taagaaaata acaaatacaa aaaaaaaaaa 180
 aataaaataa aaaaaaaaac caaaaaaaa aaaaatgaca cctagaaaaa aacgaaaata 240
 acagaaaaaa cacaaaaata accaaaaaaa aaaaacataa aataaaaaaa acaaattaaa 300
 caaacacat aaaaaacaaa aaaatcaaaa aagaaaaaaa atacaaaaaa ataa 354

<210> 27064
 <211> 397
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A8

<400> 27064

cccacgcgtc cgcggactcg tggtttcact tgcaacacag tcttgcttcc tttcggccat 60
 tgacgtccac aatcattatt cttatcaggt catgctacct gaagcaattg caatagttat 120
 ggcacctact gacacaagaa aacatgggtat atttcattctc acggatccag gtggcatggg 180
 cgtgatccat gattgtcaag agagagggtt ccatcctcac aaggcaccac ttgatgggtc 240
 gccaatatat gagcagtgtc cccatgtgta catggacacc gatataaagt tcgatatgat 300
 tgatctgcga caaagatgac gaagctcacc tttgggttta ttttgcaacc tatacttctc 360
 gcagttaaat caattgctgc ccttattttt tcttagc 397

<210> 27065
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-A9

<400> 27065

acccagcgt cgcgccacgc gtccggaagg ttattactct tgtcttgggg ctcttggtg 60
 ctggaactaa ataccgagga gagtttgaag agagactaaa gaaacttatg gaggaaatta 120
 agcaaaatga agacattatt ctctttattg atgaagtgca cacactgatt ggagcaggtg 180
 cagcagaagg tgcgattgat gctgctaata ttttgaagcc agctcttgct agaggtgaac 240
 ttcagtgcac tgggtgccaca aactggatg agtataggaa gcatatagag aaagatcctg 300

ccttggaag aaggtttcaa ccagttaaag ttccagagcc tactgtggat gaaacaatac 360
 agatcttaag aggacttcgt gagagatatg aacttcatca caaactgaga tacacagatg 420
 atgctttaat tgctgctgca cagctgtctt atcagta 457

<210> 27066
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B10

<400> 27066

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 ttatacatgg gcggggacat cagagagcta ataatgaaac agaagaggca aggaagaaga 120
 taagaaaatt caaggaatca gcttggaat gtgtttattt cctgtctgga gagcttttat 180
 ctttgtctgt cacatataat gagccttggt tcaccaatac cagatatttt tgggtaggac 240
 caggagaaca ggtctggcct gaccaaaga taaaattgaa acttaaggct gtatatatgt 300
 atgctgctgg attctacaca tattccatat ttgcacttat gttttgggaa acaaggcggt 360
 cagactttgg agtgtcaatg tctcatcatg ttgctactgt tgttctgatt gttctatctt 420
 acgtgttcat att 433

<210> 27067
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-042-Q1-K1-B11

<400> 27067

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 gccggcgggc gagaaggccc cggcggggaa gaagcccaag gccgagaagc ggctccctgc 180
 gggcaagtcc gcgggcaagg aggggtggca gaagaagggg aagaagaagg cgaagaagtc 240
 ggtggagacg tacaagatct acatcttcaa ggtgctgaag caggtgcacc cggatattgg 300
 catctcgtec aaggccatgt ccattcatgaa ctcttcatc aacgacatct tcgagaagct 360

ggcggcgga ggcggccaaac tggcgcggtg caacaagaag cctaccatta cgttccgcga 420
gatcca 426

<210> 27068
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H2

<400> 27068

ctgatcaagg ccaaccatcc gccctacggc atggacatgt tgaaccacga ggccaccgga 60
cgctactcca acggcctcat accaacagac ctcatcgcg ccagcccagc agctcggcgt 120
gaagcagctg cttccgcctt acctgggctg ggacctgagc cccgatgacc ttctcaccgg 180
cgtcagcttc gcgtccggcg ccaccggatt cgaccgctg actcccgtcg tggtcagcgt 240
catctcgatg gaccagcagc tcgcctactt cgacgagtag cgggtggaggc tgggtggacat 300
cgccggcgag gccgagacgg cgcggtatcat cgagggcgcg ctgttcctgg tgtgcgccgg 360
caccgacgac gtggccaaca cctacttcac cacgccgttc cgcaacgccg aatacgacat 420
cccgggc 427

<210> 27069
<211> 390
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-040-Q1-K1-G1

<400> 27069

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cccgtcgagg cccgacgtga ccgtgttcaa gggacttgac ctgctgatga aggctggcaa 120
gagcatggcg cttgtcggca tgagcggctc cggcaagagt accgtgctgt cgctcatcct 180
ccgcttctac gaccgacgcg ccggaagagt cttgatcgat gggaaggaca tcaagaagct 240
taagctcaag tgtctcagga aacacatcgg cctgggtccag caagagccgg cgctgttcgc 300
gacgacgac tacgacaaca tncgtgatgg caaggacggg gccacggaag ccgaggtcgt 360

<210> 27070
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-G11

<400> 27070

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gggtgtgcatc atacaaatta tgctccaaga ccaaaatatt cttctaataa gcatgttggt 120
ccttctttga aagcttccca cagtgcacaa tccacagcag atactgtcaa aggatcatca 180
tcagctctag aaactgtacc aaatgctgcc aatagcagca catcatcaaa gggtgcaaat 240
aaggcacctg gtgcttccat aacaaaagga tatcttccat ctagcaagtt tgtgatgcac 300
agtaataacc aagcaaaaag cagtgtttat caaagcaaaa gcatcaatct gaaagaaagt 360
ggtagaagct ggcacagcag tgagaagctt aaagccgaga agtagctaaa tggacatggc 420
gattctgaat ctaa 434

<210> 27071
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-G12

<400> 27071

cccacgcgtt cgatcaggcc gtccttgcc aaagtttggt gaatgggatg tcaacgatcc 60
ggcttccgca gacggattta ctgtcatatt caacaaagcc agagatgaga agaaggggtg 120
gaatgggtcaa gacacagact caccttccaa ggaccccagg actgagaggg tggagtctta 180
tgctgcaaaa ccaagcacga agaaatgggt ttgttggtgtg acatccagcc ctacgcaatc 240
ctgaggaagg caattgcatg cgctggaaat actgcccctt taattttcta tacatactat 300
ccataagaca ctgtagaggt acccatggct ctctgggctc caggatgggt gtctcataaa 360
actctggcgt gcatgtatgt atgggtgtgag agttgtcggc atacatttgc aaagtggact 420
tctgcttgta attctaaa 438

<210> 27072
<211> 444
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-040-Q1-K1-G2

<400> 27072

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ccccatccat ctgccccgcg acgtttgatg gagtctctcc tcgcctcgcg atccattagg 120
tcttccttct ccgcccgtcg cagcaccagg ggccgcccgtt cccccaggcc ctgcgcgctc 180
gccaccctcg ccagcgccgg cgccggcgcc cgctcccgcg cgctccgtgc tggccacacg 240
gactcaatcc ttgagggtgct ggcacaggac gatatgctga acgcaaagga gctgggtccaa 300
tgggagaatg gcttgtcatt caatgacata gcggctaggc aggggattcg catccgcaga 360
cacttgccgc cactgacctn cttgaaagag atagaggagg agctgggagc ccnccttaac 420
atcctagaga agatcatttg ggac 444

<210> 27073
<211> 431
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-040-Q1-K1-G3

<400> 27073

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attctcgata tgacaaagtt actgaagatt gcagaaagat ggaagagcta aaaacgcagg 120
cagaagctgc tgatgttgca aaatctcagt tcttggaac tgtgtcacat gagatcagaa 180
cacctatgaa tggcgctcctt ggaatgctgg atatgctttt aggaacagat ctaactatga 240
cacagaagga ttatgctcaa actgctcaaa tgtgtggcag agcattgatt aactgataa 300
atgatgtcct tgatcgagca aagattgagg ctggaaagtt agagcttgaa gcggtgcctt 360
ttgacctgcg ttctctcatg gatgatgtn gttacttggg ttcttcaaag tcacgggaga 420
agtgcattga g 431

<210> 27074
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-G4

<400> 27074

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caccgtggtc gattcgaaga ttgccatcc tactgagttt gacttctacc tgtgtagcca 120
tgccggcatt caggaacga gccgccctgc tcactaccat gtcctgtggg acgagaacaa 180
gttcacagct gacgagctgc agaccctgac gaacaacctg tgctacacgt acgctagggtg 240
caccgcctcc gtgtccatcg tgcccccggc gtactacgct catctggcag ccttccgagc 300
tcgcttctac atggagccag acacctctga cagcgggtca ctggccagcg gtgcccgtgg 360
ccccccaccc ggtgcggcac gcagcagcac gagaagggcc gggagtgtcg aagtcaggcc 420
cctacctgct ctcaggagaa cgtga 445

<210> 27075
<211> 323
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-G5

<400> 27075

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cacgtgaccg ggttcaaggg acttgacctg ctgatgaagg ctggcaagag catggcgctt 120
gtcggcatga gcggtcccg caagagtacc gtgctgtcgc tcactctccg cttctacgac 180
ccgatcgccg gaagagtctt gatcgatggg aacgacatca agaagcttaa gctcaagtgt 240
ctcaagaaac acatcggcct ggtccagcaa gatccggcgc tggtcgcgac gacgatctac 300
gacaacatac tgtatggcaa gga 323

<210> 27076
<211> 388
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-G6

<400> 27076

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gaggaggctc ctgcatccga tgataagaag gatgataaag agtgaagggt gaaggcaaac 120
aagggtcaaa tggatgccat tccattcatt tcgtttccaa gggttcagctt ccccgcaaatt 180
tttcattgtg ttttctccga gatgaatggt tgtgttcggt gaaatcagag tcgtcagtca 240
tctacatagc ttttcttggg tgatagactg ttattttaag tcgcatgttt atctgggatg 300
gctgggggtca gcatgtttgt acaattatgt ggagttgctt ttggaatgga cgcggtttga 360
tgagttgcct acagcatgag atgtcaaa 388

<210> 27077

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-G9

<400> 27077

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attgcctggg tctccatttg ggaggaatcc ggggaaaacc ctgacttgat gatgaccccg 120
gaaatcagag ctgagaatgc cacaatttat tatgttgctt ttaaggtatt agtagatagt 180
aactatttgg tattgatcta tcgaggctgc agcttgtctg taaacacaac tttccagctt 240
gtataatgga tcaacggatc acctgatatg tgacggtggc cgaagtacta cgaactctaa 300
tgacgttgga acggttaagga tattgtgatg gcctgttagt ttatgggagg tgtactgttt 360
ggcattgatc tcgatgtaaa caaacaatgt tagccttgcc ccatggggaa gattaagcga 420
gcaggatggt a 431

<210> 27078

<211> 326

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H1

<400> 27078

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 agaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaataaaa aaaaaaaaga 180
 aaataaaaaa tatgaaatat aataattgaa atacatggaa aaactattat gaaaaagcta 240
 ttactatgaa aaacaaagat tatgctaaaa aaagcatcat atgtatagca caaacattta 300
 ttacactgat aataagtatg taatag 326

<210> 27079
 <211> 380
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H11

<400> 27079

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 ctttggtgcc cataaacttg tgatgatggc tggcctgcat ggcatttat tcaggttcag 180
 ttttgaccat tcgaatggag ggcagatggt gccacatgaa catttgcggc ttctcaagt 240
 cgacagccca cttttcatga ctgcagccga ttgacctgct gcacgtggat catccatccg 300
 accatgtaaa tgtcgacatg ccactgtaca tatacgtgt ctaccggcta agttataggc 360
 agacggaata aggatagctg 380

<210> 27080
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-H12

<400> 27080

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 agccatgaaa cccctcagc tgccggcagg ggagggggcc tcttgggctc acgaggtcaa 120
 gcaggccctc cgtgagaaac tccggcgctc ctacggcgcc ggagctgctc tcgccacacc 180
 ggaggccagg ccggccggcg aaccaagccg tggcgctgag tgccggggct cggcgggcca 240

ggaccccata aggagagtca tgttcttggc tccctgggggt cacacataag aacacaaaacc 300
 ggccggccga gatctgggca tgcaagcttg catggccatg tcttggtcag tcagatctgc 360
 aaacaaccaa actgtaaaaa agaactggag cctgtcttga aatcatggag ctgctgctgc 420
 ttgacccatg 430

<210> 27081
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F9

<400> 27081

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 agcagcacac tagcaagccg agtgactgca cctgtggtca tggaaatgga attggaaacc 180
 agtagcgttt tgtatttgcc tgttgattct tatatttatt tttaggaagt gggggaatgt 240
 gtagcaacta ggaagcgagg gaacaacatc cagttgatgt gaagcattca tggcacagta 300
 ggcaatagtg gcaaaggggt actatacata cacacttacg ggacgcacaa catatataaa 360
 gaatggttga ttaataaaact atctattttg gggacacacc cctaa 405

<210> 27082
 <211> 266
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E4

<400> 27082

cccacgcgtc cgcccacgcg tccgcccacg cgtccgatga aaacaaaata aaggatttga 60
 acttggcact taaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataa 180
 aaaaaataaa aaaaaaagaa acaaaaaaaaaa aaaaataaaa aaactaata tataaaatac 240
 aaaaatagaa aatctactaa taaaaa 266

<210> 27083

<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E5

<400> 27083

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aaccatatat ggtgttttaa gtgtttcgac atgtttactt ccagtgtttc tataacatta 120
ttgagacaga tatggagtgt actttgaggt agtttctgca attcaagtta tttggggatt 180
aataaatgat tttaccagag cttcatcagt gtaaagacgg agttcatata tcagaagcct 240
tatggagttc aagaacggga caaccgcagc ggaaataccg tgcttttgtc aaaatg 296

<210> 27084
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E6

<400> 27084

cccacgcgtc cgcccacgcg tccggcactg gtctccaggg cttcctcgtc ttcaacgctg 60
ttggtggggg aacaggctct ggccttggtt cctcctcct agagcgcctg tctgttgact 120
acggcaagaa gtccaagctt gggttcactg tgtacccttc cccccaagtt tctacttcgg 180
tagttgagcc atacaacagt gtactgtcca cccactcct cctcgagcac actgatgtgg 240
ctatactgct ggacaatgag gccatctacg acatttgccg ccgatccctt gacattgagc 300
gccaaccta caccaacctc aacaggcttg tgtcccaggt tatctcatcc cttactgcct 360
ccctgagggt cgatggtgct ctgaacgtgg atgttaacga gttccagacc aacctggtac 420
cctacccgag gatccac 437

<210> 27085
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E9

<400> 27085

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 caaagtgcca tgaaccaact acttccattg agccaatctc aaaccaatct tgtccaggct 120
 caggtcctta tccagaatca aatgcagcag caacagcaac caacatccat gggtcaaaat 180
 cagcagccag ctgccagcca gtcactgatc ctgccccagc agcagcaaca acagcaacaa 240
 catcaacaac aaaagttggt acatcaacag cagcagattt tactgcagca gcaacaattg 300
 cagcaacagc aacaaaatca gcaacagcta aataagatgg ctgcacaaat gccaaatctg 360
 gtatcacatc agccgcaact gtctgatcag cagcttcaac tgcaactgtt aaaaaaactg 420
 caacagcagc agc 433

<210> 27086
 <211> 421
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F1

<400> 27086

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 gatccagtgg aatttatgac atggctctta aacacactgc atgcgaaact aaaaagttca 120
 aagaagaaaa acagaagcat aatacacgat tgttttcagg gagaacttga agttgttaag 180
 gaggttcata ggaagcatat aatggaaaaa agagaggatg gcggtgagct gaatggtgag 240
 gcaggttcag tgggtgggaac tgcagatgga attgttactg aaacatccaa ggtcccattc 300
 ctgatgctcg gtcttgacct gccaccttca cctcttttca aagacgccat ggagaaaaat 360
 atcattccac aggtaccatt gtttaacata ctgaagaagt tcgatggtga gacagttaca 420
 g 421

<210> 27087
 <211> 238
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F10

<400> 27087

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ggtgagccct acgctccaag gcattagatc ttccatggaa agaagcagca cactaacaag 120
cagcgtgtct gcacctgtcg tcacggaaat ggaattgtaa accattaacc ttcagaattt 180
ctccatcgct actaatactc atgtttacgc aacagtggaa tgtgtgatac ctaataaa 238

<210> 27088
<211> 395
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F11

<400> 27088

cccacgcgtt cgggcttctc ctccccctcc gggttcgggtt cgggttcgtg aggttctccg 60
gggttcgggtt tcgtgggtga gcggatcgag atggcggcgt cggatgttga gtaccgctgc 120
ttcgtcggcg gcctcgctg ggccacggac gaccactccc tccacaacgc cttcagcacc 180
tacggcgagg tcctcgagtc caagattatc ctcgatcggg agacgcagag gtcccgcggc 240
ttcggcttcg tcaccttctc cacggaggag gcgatgcgga acgccatcga gggcatgaac 300
ggcaaggagc tggacggccg caacatcacc gtcaacgagg ccagtcctcg cggcggccgt 360
ggatgctgcg gcggcggcta ctgtggtggc cgtgg 395

<210> 27089
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F12

<400> 27089

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gggcggcgggt ggcgcggcgc tgctgctggt gatgtgggcg ggcgtggcgt cggcggccgt 120
gtacgagggtg ggcggcacca ttgggtggac cgtcatgggc aaccccgact acgcgcctg 180
ggccagctcc aagcagatcg tcgtcggcga cactgttgtg ttcacgtata acaagcagtt 240
ccacaacgtg ctggcgggtga gcaaggcggga ctacaagaac tgcacgcca ccaagccgac 300
ggccacctgg tccacgggga acgattccgt cgtcctcaac accacgggcc accactactt 360
cctctcggcg taccggggcc actgcgctgc cggccagaag gtggacatcc gcg 413

<210> 27090
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F2

<400> 27090

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gttgctatac catgtatatg cccgtttata gtcgcactgg atgatgggtgc acaaacagtt 120
caggtggagc tggtagcctg tcccagacatt tgcaccttac aaagtctaag gcttggttcta 180
cacattgatc cttgctatgt gtggtcacgc tcagacgaca gcaactgctt tagtggctct 240
gcagagtctg acaccggatg cacagagcgt attgagactg cttgatgagt attcagattc 300
ataatgcaag gacgagagct tgccagtcaa catgtttgta tacgaaatgg tcg 353

<210> 27091
<211> 435
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F3

<400> 27091

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gcagcggcat ctctgctgg gacgaagggt caagaagcta gctaagagag aagggcataa 120
cgagataata agcagcgcgc gaagatgcaa gactgggcgc cgggtgttcgt ctgctggtg 180
ctcttcatcc tgctgtcgcc gggcctgctg ttccagatgc cgggcaagtg ccggatcatc 240
gagttcggca acttccagac cagcgccatc tccatcctcg tccacgcat cctcttcttc 300
gccctgcgcg gcattcttct cgtcgccgtc ggggtgcaca tgtacctcg ctcctaggcg 360
gcgcccgcgc gccgtacctt ctcttctctt ctatctctct ctcgctgcac gcgcgccatc 420
cgtctcttct tttat 435

<210> 27092
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F4

<400> 27092

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aatgcacaac agccgaagct ttttgtgggc atgacctca tctcatttt cgcagaagcg 180
cttgcctctg acggtctcat tgttgaatt atcctttcat cccgtgctgg tcaatcccg 240
gcagattaag tgcactacca ttctgcaatt accgtactgt ttattatgct attctaagag 300
aattgaaacc ctatgccctt gtctagttaa ttcttgctac catgtattaa tgaaacaatt 360
tgtagctgaa ggaaagtac acttccagcc atgttggttt tggcgggtgtt aagcagaggt 420
tatttattgg gttaagggtg gagg 444

<210> 27093

<211> 391

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F5

<400> 27093

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cgggcgccgc ggctcgcgc cagcgccacc gccagaaac catctttccc ggccgcgccg 120
ctgagcccat agcccatatc ggggcctcgt tcggccgaag cgcgctgtgt caaatttctg 180
cgaccttgcc gccgccgtca tcattctgga gctcggattg atttcttctt ttgctgtgct 240
gtcattaccg aactaaaaac agtttctgag agcaagcgtc acaattgcca tggaagctgg 300
gagaatggat cagccttgca tggcttctat caatagccag cctttcgtgg ctgatactga 360
gccagtgaag aaagccagtg gggacatgcc t 391

<210> 27094

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F6

<400> 27094

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 gctgagcttt attatgaaca aaacgtgctg gaggtggaac ctgagattct cccggacatc 120
 agttggcgctc tctctagtcc agtagatggg aaagctaaga ttgctgaagg ccgtcttacc 180
 gatgatgagc ttgaccagta ccattctttg gagaacaatc caattattat tgagctgata 240
 gacgagccag cgatcccgca tctggtagtg tattgaagaa tctgcgccag ctggacagaa 300
 agctctgctt ccttgctgct tgctctggaa tctggagttg cctagtctag aatgctagta 360
 agtcttgacc ctggtgttgt ccccaactat gttctgatga tgtaggattt caggccgagt 420
 actggtacca g 431

<210> 27095
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F7

<400> 27095

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 tagtggtgca gtgggctggc gatcatgctg ctagcaaccg aaattgcaag acttgatatca 120
 tacataaacg ctattgcttt taccgactga cacggaaggg tggagatcat gcatcaatgc 180
 tattgctttt acaacctgac acagaagggt gtcattgttt tttgtaggag ttgccatctg 240
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 cttttactgt atctgcttgt gttgtcaaga accgaatgag gtgcctggca tccttgtctg 360
 taccctgtac actaaaatgt ggagaatgtt ccctcggcag taatcggctg gacttgtaag 420
 gtgccagtgt 430

<210> 27096
 <211> 326
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-F8

<400> 27096

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tgtgttctgt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaata atataacaaa 180
 aaaaataaaa aaaaaaaaaa ctaaaaataa caaatacaaa aactctacaa acataataga 240
 ttacactaat ttatagattt gcataaccta tacttttctgc tctgaactaa aatcccatta 300
 aaacagcaaa cttactgatt aatcaa 326

<210> 27097
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E3

<400> 27097

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 tcctgttggt gaagacatgt tccactggca ggcaacaata atgggtccat ctgatagccc 180
 atattctggt ggagttttcc tagtcacaat ccattttcct cctgattatc ctttcaaacc 240
 accaaaggtg gcatttcgta ctaaagtgtt ccatccaaac atcaacagca acgggagcat 300
 ttgcctcgac atcttgaagg accagtggag tccggcacta acaatctcca aggtgctgct 360
 gtccatctgc tccttctgta ctgatccgaa ccccgacgac ccttttggtcc ccgagatagc 420
 tcacatgtac 430

<210> 27098
 <211> 357
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D1

<400> 27098

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 agcttgatga gctgagctcc ccacttacct tcattctcaa cacctcatca gacccgcttg 120
 cgaagctgaa gcggatcagc aactcgacca cagcgaggta taggcttctc catgaggtgt 180
 ggaagctgga tgaccagtag gacttgatcc tatcaccacc atggttctcc cctctgtata 240

taggtttgtt tttttgcata tgattccggc tcatgtataa gatttcagtc tatttgttat 300
gttatgttac aagaagatga ggggcaagcg ttgaatctta ataaatccgc tgtgtct 357

<210> 27099
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D10

<400> 27099

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gaggttctcc ggggttcggg ttcgtgggtg agcggatcga gatggcggcg tcggatgttg 120
agtaccgctg cttcgtcggc ggcctcgctt gggccacgga cgaccactcc ctccacaacg 180
ccttcagcac ctacggcgag gtcctcgagt ccaagattat cctcgatcgg gagacgcaga 240
gggtccgcgg cttcggttct gtcaccttct ccacggagga ggcgatgcgg aacgccatcg 300
agggcatgaa cggcaaggag ctggacggcc gcaacatcac cgtcaacgag gccagtccc 360
gcggcgggcg tggaggcggc ggc 383

<210> 27100
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D11

<400> 27100

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ctgctgcttc ctctttgctg gcatggcact tggcagggaa gctgagcgtg gaggtgggga 120
agaccagcga tgtcaaagct gtgtgccttt cgcaccgta cagcgtcact gccgacgaca 180
tgaaagggtgc agtgagcgtc agtggtctcc tcctcttctt ctatgctgct tcaactagcct 240
caccgcatgt gttcgttcga aatcgaaaca gaggtgaaat ggccgatcga gatcctgggg 300
gcccagaacg acacgaccac gccgtcgaaa gaagtgtacc ggttcgtgca tgtgctgcgt 360
gaaagacacg aggtgagctc caagctacga ctgattgcaa tgacactgtg tggatcggat 420
accggccag 429

<210> 27101
 <211> 414
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D12

<400> 27101

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 gcgccgatcg atacgatggc cgtcttctcc gacctccaca ccggcgacgg cctcaagtcc 120
 ctagaggctc acctcgccgg caaaacctat gtgtctggtg actccattac taaggatgac 180
 attaaggtct tcgccgcggt gccgtcgaag cctggcgctg agtttcctaa tgcttgccgc 240
 tggtagcaga ccgtctctgc ggctgtagcc tcaagattcc ctggttaaggc tgttggtgta 300
 aatctgcctg cgggatcagc tcctgcggca gctgctcctg cggatgaggc tgacgacgat 360
 gatgacctg atctttctgg tgatgaaact gaggaggaca tgaaagcagc tgat 414

<210> 27102
 <211> 347
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D2

<400> 27102

cccacgcgtc cgcccacgcg tccggtttac tacttacgtt gtacgactct attcccccg 60
 ttcgtactg gcttattaag tttggcgctca ttgttttctt gatctctgag atgctttgct 120
 ttcaccacct gcttttttgt catctgtgta cattgagtcg acggacaatc attttcttgc 180
 ttcgagcagg cgagagcagc acacgagttg cagacacaac atggaattac actctgtata 240
 taggtttgag tttttgcata tgaaatgcag ctcatgtata agatttcagt ctatactgct 300
 atgatatggt acaagaatat gaggggacct cgttgaatct taataaa 347

<210> 27103
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D3

<400> 27103

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ctcatgaagg ctgaggataa ccatgatctg caccagaatg caagggctac tgaaacagga 120
gttttgggag cagatgctga gagcagggtg gcagagcgac cacggctgaa tctgaagcct 180
cgttcctatg taacaggaca gtctgatgaa attgctgtca aggaaaggcc atctctcttt 240
gggtgtgtc gccccaggga acaagttctc aaagaacgtg gagtggatgt tttggccagt 300
gatctcgaga agacttcacc agttggcaag cctaaaggcg aatttgcaaa ggttgagcag 360
aaggttgaag ctatgtccat taacccttct gttgaaagac atgagaagtt tgcagctggt 420
cat 423

<210> 27104

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D4

<400> 27104

gaacatggag atcttttggc ctcacgcaag acgcaacaaa aggtttggat agaacactct 60
gcttccccgt cttcgggtct agcccgagtg gacgtaggaa gggacgaggg gtcttgacgc 120
cggcgagcca tggcgggggc tctcctctcc tctccgcaca ctctcccgag ccccatctct 180
cagtcctcgt tccgccccag gagcagggga ccaactccacg ctggggcagc gcgtgttctg 240
ccaccgagga ggagggcctt tgtgtctgct tcgtgtctct gcgagcctgc cgctaggaac 300
cgcggttgg aggtggagag gaggcgcctt ctcatgtccg ggctcgtgtc ttctttcgca 360
atcatgctcc ccatttcaga agcatatgct gtcattggaga ctgatgaaga cgtgaagatg 420
aacacacaaa ttgatgagat 440

<210> 27105

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D6

<400> 27105

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 caacttcgag atcgaggcga gccccgatgc gtcggttgct gacgtgaaga ggatcattga 120
 gaccactcag ggtcagagta cctaccgggc ggaccagcaa atgcttatat accaagggaa 180
 aattctcaag gatgagacca ctttggaag caacggagtt gctgagaaca gcttccttgt 240
 tataatgttg tccaaggcta aggcacgctc gagtggagct tctaccacta ctgctgcaaa 300
 agctcctgca actctggccc aacctgctgc cccggtgccc cctgctgcat cagttgcaag 360
 aacaccaaca caggctcctg ttgccacagc tgaaacggca ccttcaagtg cccaacctca 420
 ggctgctcca gctgctacgg t 441

<210> 27106
 <211> 439
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D8

<400> 27106

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 gcgatatttg ggaaaccgctc tccggcagcg atcttgtgtc gctgctgata tccgatgctg 120
 cacaggctga caactatgag aagatcttct ctcacatgaa accaaacagt atccttggtt 180
 tatctcatgg atttcttctg ggacatttgc aatcactcgg actcgattta ccaaagaaca 240
 tcagtgtgat tgctgtatgc cccaagggaa tgggtccatc cgtccgcagg ctttatgttc 300
 agggcaagga agtcaatggc gctggcatca actctagctt tgctgtgcac caggatgttg 360
 atggaagggc aactgatgtt gctttagcat ggtcagttgc acttggttcc cccttcacgt 420
 ttgctactac tttggaaca 439

<210> 27107
 <211> 373
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-D9

<400> 27107

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ggcttgaggt ccttagctct acacttactg tactctagaa cagccgataa taccttgact 120
gctaagatcc atcgcttctg ctctcctcta ctatgagaca ctctcttgaa catcacgtct 180
taatcctaga tgaccgtaa gaccagtgc catctccacc atgggttctcc actctttata 240
tctgctacta gtaccgcata tcctctcggc tcctgcatta gagatcatgc tacttgcaac 300
cttctgttgc aagctgataa ggtgctcacg tcgaatctca acttatccac tgtttttaaa 360
attattctag cta 373

<210> 27108
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E1

<400> 27108

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ttcgctgagc catacctcct cccaacaatg tcagcaaaac catcgccacc gctcatcatc 120
gacaaggaga cgatcccgat gggggactca cgccagaaga ctaaaacgct gaacagcagc 180
accaggacat aatagagtgg acctctcagc aattcctctg gttttccttc acgtgtcact 240
gattttacca gagcttcacg agtgtagaga cggagtcct atatcagaag cctcatggag 300
ttcaggaacg ggacaaccgc ggcgaaatac cgtgcttctg tcgaattgct gaacaggggc 360
caagatgaca tgaacaggac gccggatagc acgtgcacaa cttttctgct caagctcttt 420
tcgatg 426

<210> 27109
<211> 196
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E10

<400> 27109

cggacgcgtg ggcggaacg tggggaacg tacacgtacg tcccgcgcgc tgcacgagtg 60
atgaagccag ggaagaaata aaataaagct agctgtattg ccaggagcag catgcagtat 120
cgatctatat atatactgta ctgtagtact ctattatata tgtatgtgtg gcctgcagtg 180

<210> 27110
 <211> 422
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-040-Q1-K1-E11
 <400> 27110

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 gtctggcgcc ctccaaacca gccactctcg agaattccag ggcagtctcc gctatagtcc 120
 accggactgt ctggtgtgcc accggaccgt ccggtgagcc agcggagcaa cggctaactg 180
 tcgccaatgg tcgactgcaa aagcgttctg cagtaaacag tgcctcaaca gaagtcagag 240
 cacagaagtt agagggcact gaactgtccg gtgcagctag aagacaaaca tctccaacgg 300
 tcaactgctc cgaaccctaa cagttgcgct gacgtggcgc gcaccggaca atgcacagtg 360
 gatgtctggt gcgcccacg ccagcagcct ttgctaacgg ctaggaagtg gttgggggct 420
 at 422

<210> 27111
 <211> 395
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-040-Q1-K1-E12
 <400> 27111

cccactcggt cgcccacgcg ttcgcccact cgtccgtcca cgcgttcgag ttgctgagct 60
 agttcagaag gttgccgctg ccattcaaca agatttgccc aaagtaatga ccaagatgag 120
 gttgtatttg caaaatccat ctactcgat gatcttattc aaacctatca agacaaatat 180
 agttgaggct catatacagc tgcattccct tctgaagtcg gagtactcta gtgaagaaat 240
 gcaatccatc ggtatgttgc cgatacctga cctgcagtct cagcttgaca gccttttgta 300
 gtttgcatat accatacagc ggcgctgctg tagtccatgt tgacgttgca atgcagttct 360
 ttcaagtaac gcaagtaaag ntgttaccac aattt 395

<210> 27112
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-E2

<400> 27112

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aggctctgtta aatgagaaga gcgatgtcta cagttttggg gtgctactac tggaagcagt 120
gactgggagg gatccagttg actatggtcg gcctgctaata gaggttcata tgggtggagtg 180
gctgaaaatg atggttggca ctagaagagc cgaggaggtg gtggatcctg acatggagtt 240
gaaaccagcg attcgtgctc tgaagcgtgc tcttctagtgc gactgcatgt gtgtagaccc 300
agatgctgag aaaaggccca ctatgggtca ggttggttcgg atgctcgagg cagaagacgt 360
gccttcacgg gaggaccgcc ggagccggag aggccacagc agccacgcag acaacgag 418

<210> 27113
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C9

<400> 27113

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gcgtgcggcg atggcgctgt tctcggaggc tcccccgagg aaccgaaag ccggcgagaa 120
gatctttaag accaagtgcg cgcagtgcc caggttcgac aaggcgccg gccacaagca 180
aggctccaaac ttgaacggtc tttttgggag acagtcgggt accactgcag gctactccta 240
ctctgcgggt aacaaaaaca aggtgttagt ctgggaagaa gacactttgt atgagtacct 300
gcttaaccct aagaagtaca ttctggaac caagatgggt ttccctgggc tgaagaagcc 360
gcatgagcgt gctgatctca tcgcgtacct gaaggaagca actgcatagt tcattgacat 420

<210> 27114
<211> 282
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B3

<400> 27114

agaaccata gagtttcagt gtgatgatgc atctggcttc gctggcaatg cgtgtggagc 60
atccacattt atggtgccat aacctcccct tggcccaata gcatttgggc ctttgcatta 120
atgccgccat caaagggtag cataagcgat agcaagcatc ccggctggta catgtaagtc 180
taactgtcag tttagctatc togtgtgtag ctccctgagt ttacaacat tagtcgattt 240
taccgggagt tgcaatacca tcatgtgtca cattgtttgt cc 282

<210> 27115

<211> 443

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-040-Q1-K1-B4

<400> 27115

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ttgcccctcc ggaggatccc aggccacgca actcggagaa cggctcgacc tcgagactc 120
cgggcaaaaa tgcacacgta agcaacttca agttcggcga ggccgacgag gacagcgcg 180
tgaagaccgc gaagaagatc cccaccaaga agttcaccga cctcgcgggc aatatcttca 240
agggcgacga cgaggcaccg gggacggcgg agaagcacca cctgagcacg gcgaagctga 300
aggagatgac cggcagcgac atcttcgcgg acggggaggc cccctcccgg gactacctgg 360
gcgggatccg caagccgncc ggcggggaga gcagcatcgc gctggtttaa cagcagggac 420
aaacaaccag atggacatag cag 443

<210> 27116

<211> 185

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B5

<400> 27116

aaaaaaaaa aaaaaaaaaa aaaaaaaat ataaaaaaaaa aaaaaaaaag acaaacggta 60
ggggatctcc aggtccccgg cctcctgcct cctacatgct acgtcttct atattgtatc 120

ctgacaccaa tatactgtcc gctggctgac aacgtacaac actgggaaat ccctaaacct 180
tccca 185

<210> 27117
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B6

<400> 27117

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gctggctgag ttatcagtgg aacgtcttgc agatcttga gctgatgatt ctggagtcta 120
tgtccttctg tcaaatatct atgctgatga aggaatgtgg ggtgatgttt tgaggattag 180
gaaattgatg agtgatgagg gaatgagaaa ggatattgga cggagtgtga ttgaagtgga 240
tggtgaaata catgagttcg tgaatggagt cggctcatat attggtaagg atgaaatgta 300
cttgatgctg tggaaattgt ctaacatggg ggcattctatt tgatgctact ttgtctacca 360
aaacaaagta ctaatcctct agattaacac cttacaaaat taataac 407

<210> 27118
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B7

<400> 27118

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atactccgag aaataaagga gttttggcgg gtggcgctgc ttctatccat tctcttctac 120
cgagaaactg aaaccgctgc tggcaccctc aacgagcatg acgagctgcg tcggaggaaa 180
gagaaatata tcagagtcga gcgttccata accgagctag atcttgacgg ggtatggaag 240
ctgaagccga tactcgacgg gaaatcgatt atgggagtca tgcaagtcaa gtccggaggt 300
ccactgatag gaaaatggca acaacgtgtg ctgaagtggc agcttgcgca tccggacgga 360
accgtggacg agtgcgtcga gtggatgaag cagtcgcagt caaaacgaca gaaagtggag 420
tc 422

<210> 27119
<211> 278
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B8

<400> 27119

gcttgataaa tactcctact tggtggcaca gtgaaggaca aacaaatgta tgctgacttg 60
ttatgtcctc ttgattgcaa tttgttagta tgtgttttct tgaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aaaataaaaa aaaaaaaaaa cctaaataca attaactaac aaaaaaatat acaacgtaat 240
gaactaggaa aaccctgcta aaaacccaac ttaatcac 278

<210> 27120
<211> 418
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C1

<400> 27120

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ctgctgtctt aatcgaccaa caccctttgt gggcttagcg ttcaagagga aatggcagaa 120
caagaggaag gagcagggga aaccgtgtga cagaccacac atcgtcaccg gtgccaacgt 180
tcaggctctgc tgggagaagt tcgcaaggta ttttgagggtg gagctgaagg aggttaagct 240
atcagaaggg tactacgtca tggaccccggt caaggctgtt gagatggtgg atgagaacac 300
tatctgtgtc gcggcgatct tggggtcgac tctcaccgga gagttcgaag atgtcaagca 360
gttgaacgac cttcttacag acaagaacaa ggaactgggt gggacgtgcc tattcacg 418

<210> 27121
<211> 421
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C10

<400> 27121

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 gtagggatgg cggaggcggc gccatggcga ggggcgtagc gcgggcggtg tctttcgggc 120
 gccgtgccac aacgggggtg tgctcctacc ggcgcgtcac cgtggccgtc tgcatcggca 180
 accttgctgc cgtgctgctc gtgctccgct ccctcaccgt ccccgcttcc ttcgcacca 240
 ccgctcccaa ccgcggggaa gtggtgcagt acacggagga gcagattagg tgggtggagg 300
 agtcgatccg gattcggcg gaggtgagc ccgtcgagct cgttctggcg gtaaagaagc 360
 tgcggaagaa actcgcccag gaggtgaagc ggcgggagga gctgtcgctg gtgctgaagc 420
 a 421

<210> 27122
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-040-Q1-K1-C11
 <400> 27122

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 cggatgcggt gggagagccg catcatggac cagcaggacg gcccttcaa cccggagaag 120
 gtctcatgg cggtaagac gtactggacc gccgaagccg aggaggagca ctagcacacg 180
 agtgacaccg agtcacttg aaagcgtgaa ccaagcctgt tctacacttc tactaccggt 240
 cgagagggat ggcgtcagcg ttttgctct cagtgtagta tgtatgtccc ttttcacctt 300
 ttctctagtt cttttagct agctacaatc agatgggaag gtaagggaga gttttgagac 360
 gggggggggg gggttgttg tcctctagtt gagatacagg aagcggtttt gtagcagggg 420
 aagg 424

<210> 27123
 <211> 405
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-040-Q1-K1-C12
 <400> 27123

ggactggtgg aacaagatgc acttctccgg aactttccca cacgctaact cgtctttgtc 60

aatacaagat atcaagaaat tggttctgca agcactgcga agcaaagagc aagcactgca 120
acaccaggat actgatttga actcaagagg cagctttata ctgaaacgta tggaggccta 180
caaggacttt gctcgctgga gcgtaacat tgacttcgac gagagcatcc ttgtttggca 240
cattgcaacc gaggtgttca tcaggaaatc caaggccaga catgcaaaag aactccttga 300
ggctactgag gtactatcca actacttgat gttcttgcag gaggtgagat gtatgttatg 360
ccgcgcagcg cctggttagca tgttagggtt tacgttctag atcgc 405

<210> 27124
<211> 368
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C2

<400> 27124
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agtagaggat gcgtgaggtc ccagcgtcta cggcaccatt gaagcccctg gggcacagca 120
gatcagggttc tgtgggggca cttagttgtt tttgtttcct tgaaaatgta aattttatgt 180
ggtggcatgt tctcctgtat agtgagtatt gctattgtgc acagaattgg ggcatagaagc 240
gtttcttgtc tgtgtttata aaatattctt caaacatatt gtcataaaa actactcaaa 300
gtaagaatca aattgagtac aaaactactc aaagtaagaa aaatacgaag atgttaagca 360
attgaaca 368

<210> 27125
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C3

<400> 27125
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ttgctatata acttttagtgc ctatcattaa aaatatagtt tgtctacttc gatagcaacg 120
gtatcaaaat ctgactacct tatgaagttt ggagtcttct catttctttt ggtagtgag 180
ggaacttgta ggggggttct ttttaagaat tgtcccagaa gtttcttgcc ataaagctag 240

gtgtatgttt caatttcctt ggttctttga tgactagata tttttatttc aatgcaaaca 300
 ggtagaattc cgaacttcat tttcagcaaa atgtgtacaa gcaagcagca ttctgcctga 360
 actttctatc acgtactcca acaagaacat ct 392

<210> 27126

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C5

<400> 27126

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 cgccggtgga cgcgcacata cacgcggtag cttccttctc aagcctagct agcccatcc 120
 tgcgcgcagg cggcggcagc gagaattgac gtgcgcgac gagcttgtgc ttgctagcta 180
 gagagcgagg atgtcgagcc ggaggccgtc gtcgcgtggc aacatctccg aggacgagat 240
 caacgagctc atctccaagc tgcaggccct gctcccagc tcccgccgcc gcggctccg 300
 ccaggcgctg acgacgaagc tgctcaagga gacctgcagc tacatcaaga gcctgcaccg 360
 ggaggtggac gacctgagcg accggctgtc cgacctcatg gccacatgg accacaaca 419

<210> 27127

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C7

<400> 27127

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 atgtatgcct ggaaagtgg cctgctttg gcatgtggaa atactctcgt gctcaagact 180
 gctgaacaaa cccctctatc ggctttgtat atctccaaat tgttgcattg ggctggacta 240
 cctgaggggtg ttgtgaatgt cgtttctggt tttggcccta ctgctgggtc tgctcttgct 300
 agtcacatgg atgttgataa gatcgcattt actggatcta ccgatactgg aaaaattatt 360
 ctcgagttgg ctgcaaagag caaccttaag acagtgcacac tggagttagg aagcaagtcc 420

<210> 27128
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-C8

<400> 27128

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tgggggcatg cctgatggct ccatgaatac aggcagatgcc gatagagggtg atggaagggg 120
tgttcgagca cagatgcccc cgccaatgca aatgcagatg tcacttcccc cacctccgcc 180
tacacaacct ccatcaggct cgcagcaaac atttaacagg acttgatata ttttggtttg 240
cacgaattga tggttcctct caaaattcca tgtcaattca ttgaggaaac tgtaatttta 300
tcgtcgttgg caaaaaaaaa aaaaaaaaaa aacagaaaaa aacagatcaa acataaaaaa 360
taaaacaaaa aaatgataaa aagcaacaca taaaaaaaaa acacatacaa ttgccccaaa 420
aaaaaaaggg ggggcccgttt taaaa 445

<210> 27129
<211> 428
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B2

<400> 27129

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cctaaggccg atggggatgg aggcagatg cggtagacctg gccgtagctg ccggcgccccg 120
cgtccggcgc ccgctacaac cgcgggacac caacgtggcg gcgtccacgg tagtggtcgg 180
caaggctgcg ccgaagcccc aagctcatcc aaagggggcg acgaggcccc ctttgccttc 240
gctgccgccg gcaccgctgt tcccgggtgg gaagccaacc ccgccgtga aggaccagtg 300
cgacgcgtct gttgcgggag tggccgaagt gtcgctggcg gaggagctcg agaggcgcg 360
ggagcggcgc gtcgggtccc gcggggcgcg ggaacagacg gaacgggaga tggtagccg 420
tgccgaga 428

<210> 27130
 <211> 340
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-039-Q1-K1-H8

 <400> 27130

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 gtaagtgtat gcctccctgg tgataacaac tgctcctgta cgcacgcgaaa tgctgggtgac 120
 cttccttaca gtgcttcagg catacttggt agccgaatgc ccgtttttata cgagtgtggt 180
 gattcctgca catgttcaca aaattgccgg aaccgagttg tacagaaagg tacgcagatc 240
 cgttttgaag tttttaagac aggagatcgt ggttggggcc ttcgtagttg ggatccaatt 300
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<210> 27131
 <211> 412
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-040-Q1-K1-A1

 <400> 27131

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 ttaagcagcc actcgtacca gtccttccca caaggtgctc tgagagattc tagacctgct 180
 gccgctcaca tcgttttgat tacctgagaa gatgcctttg gaaattcaag atagtgaggt 240
 tgacattgtg attgcagcac tccagcccaa cctgaccact ttctttgagg catggcgacc 300
 atttttctcc cgtttccaca tcattgtcgt caaagatcca gacatggcag aagatcttca 360
 aatccctgca agttttgatc tcaaggttta caccaagtca gatattaatg gg 412

<210> 27132
 <211> 429
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-040-Q1-K1-A10

<400> 27132

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tttggcaatc gtttactgaa gccatatgtg gtggcggaac ctgaaattca ggaagaacag 180

ttcagtgatg agctggaatg cctgggttctc gctagtgcg ggctttggga tgttgtggaa 240

aatgaggaag ccgtttccct tggcaaatca gaggacacgc cagagtctgc agctcggaaa 300

ttgacagaga tcgcttattc tcgtggcagc gctgacaata tcacgtgtat cgtggttcaa 360

tttcacatg acaaaaccgg atgaaccatg tggcggccaa tttcagttgt accctgcttc 420

aagctatta 429

<210> 27133

<211> 286

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-A11

<400> 27133

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ggtctcgggtg gagaatactc gacggactcc gcaaccggcg tactgtcgac gctgttcgac 120

ttgggcggcc tcgtggtcgg catcctcagc ggccacatct acgaccatgt ggacgcccgg 180

gctctgacgg ccgtgagctt caccttctag gcgattcctg cgctcttctt ctaccgcgtc 240

tacgggaacc tcttgctggc ctggaacatc gacctcatgc tcatca 286

<210> 27134

<211> 429

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-040-Q1-K1-A12

<400> 27134

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tggaggtcct ggagaccctg gagggggagc tcgccgacaa gcctttcttc ggcggcggcg 120

ccctcggctt cgtggacgtg gctctggtgc ctttcacgtc ctggttcttc gcctacgaga 180

agctgggcgg gttcagcatc caggagcact gccccaggat cgtggcctgg gccgcgcgct 240
 gcagggagcg ggagagcgtg gccaaggcca tgtccgaccc tgccaaggtg ctcgagttcg 300
 tccagttcct ccagagcaag ttcggtgcca agtgatcgat cggaagcact gtgtgtgctg 360
 ctatgcangc cangctggtg ctttgatcag ctcgatcagc ttcatgcccc tgctagcggt 420
 gcatatcgc 429

<210> 27135
 <211> 429
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-A2

<400> 27135

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 aggagcccgc tgccgcgaag gccccggcgg ggaagaagcc caaggccgag aagcgcctcc 180
 cggcggccaa gtcgtccggc aaagaaggcg gcgacaagaa gggtaagaag aaggcgaaga 240
 agtcggtgga gacctacaag atctacatct tcaaggtgct gaagcaggtc caccgggaca 300
 tcggcatctc ttccaaggcc atgtccatca tgaactcctt catcaacgac atcttcgaga 360
 agctcgccgg cgaggctgcc aagcttgccg gctacaacaa gaagcccacc atcacctctc 420
 gggagattc 429

<210> 27136
 <211> 363
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-040-Q1-K1-A3

<400> 27136

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 gcgggccccg gcccggaac cggcctcggc cgctccgca agcagccccg gcgccccgcc 180

gccgttaaga tcagtgatcc ggccggggac gctgcagcgc tcgtgccgcc ctgcgccgct 240
 tcgggtagcg aggagacgcc ggtgaagggtg acgcgcagca tcatgatcaa gcgtcccgcg 300
 gggtagccgt cttcgccgaa gagcgcggca agcacaccgn cggcctctcc actagggact 360
 acc 363

<210> 27137
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-040-Q1-K1-A4
 <400> 27137

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 gttatcacia gatgataagg ctgctctgcc ttcttcagaa cagtcacata tatctccagc 180
 tactagttct gaagctcaag gggcaactac taggaaggct acaaccacca cctcactttc 240
 agaggctgct gcagcatgga ggccttcaag tgctcctgtg ttaccacac caagatcaac 300
 cgggccagct gcttcacata ttcaaacttc cacattgctt tcccgtctta tgagtgaagc 360
 agctgggaga aggccagtaa atgatacttc attttctgcc ccattctata ctccacagac 420
 ctaccggaat gcaataattg gt 442

<210> 27138
 <211> 404
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-040-Q1-K1-A5
 <400> 27138

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 cccaggtag cggcgtcgag ttctggcacg gcgcagagcg cgctgggtgg ctaaataagc 180
 agggcgagta catcaagacg tggaggcggc ggtggttcgt gctgaagcag gggaggcttt 240
 tctggttcaa ggaccctgcg gtgacacggg cctcgggtgcc ccgcggcgtc atccccgtcg 300

ccacctgcct cacagtcaag ggcgccgagg acgtgctcaa ccgccagttc gccttcgagc 360
tctccacgcc tgccgagacc atgtatttca ttgcggactc cgag 404

<210> 27139
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-A6

<400> 27139

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gcctgtggcg cgccgtgatg gatagcgtca gcggctcctc cccctcggcg ctggacgcgg 120
ccccaggtag cggcgtcgag ttctggcacg gcgcacagcg cgctgggtgg ctaaataagc 180
agggcgagta catcaagacg tgtaggcggc aggggttcgt gctgaagcag gggaggcttg 240
cctgggtcaa ggaccctgct gtgacacggg cctcggtgcc ccgaggcgtc atccccgtcg 300
ccacctgtct cacagtcaag ggcgccgagg acgtgctcaa ccgtcagttc gacttcgagc 360
tatacacgcc tgccaagacc atgtatttca ttgcggactc cgataatgac a 411

<210> 27140
<211> 397
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-A7

<400> 27140

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gaagccgacc ccaccgacgt acacccttc cccaaagcct ccgacgcca agccgacccc 120
accgacgtac accccttccc caaagcctac gacaccaag ccgacccac cgacgtacac 180
tcccacaccg aagtcgccgg ccaccaagcc gtccacctac actccgacgc cgccggtgtc 240
tcacacgctc agcccgcgt caccatacta ctagaaagcg atgcctacca taccacactg 300
ctgtcagtct ctggagcatt taggtggtct ggatcaatgg aaagggtggg tcctagtcag 360
gcggcaaaga tgagctggtg atgggtatga tgatgat 397

<210> 27141

<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-A8

<400> 27141

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cgacgagcgg tcgttgcccc gtggacgcgc tgaagctggg cgtgtgcgcc aacttgctga 180
acgggctgat caacgcgacc ctggggacgc cgtccaggac gccgtgctgc acgctgatcc 240
aggggctggc ggacctggag gcggcggtgt gcctctgcac cgtcctcagg gccaacgtcc 300
tgggcatcaa cctcaacctg cccatcaacc tcagcctcct cgtcaactac tgcggcaggc 360
gcgtaccctc gggcttacag tgcttctgac tatcacacgc ccatcgatcg atcgatctgg 420
aggctaaata a 431

<210> 27142
<211> 125
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B1

<400> 27142

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gagaaaaaaa aaaaacaaaa aaaagaacaa aaaactacaa aacaaaaaaa aaaaacaaca 120
caaaa 125

<210> 27143
<211> 340
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B10

<400> 27143

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gttgaacgag caatatggat agaacctacc cggaagactg gagttttgta cagtcgaact 120

gttaccagat ggtgagtgt gtgtgtgtat atgacggtat tgatgcatct gtgaggtgta 180
 ttgctccggt ggcggtacta caacacagtt ttgcataccg aggagcagag gcatgtacag 240
 cgtcatgtgt taaaattgct ccgaaatatt attgagtttt gtagaaaaaa aaaaaaataa 300
 aaaaaataaa ataaaaaaat ataaattata aaataaaaaat 340

<210> 27144
 <211> 220
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-040-Q1-K1-B12

<400> 27144

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 gaggcaactg tgggtgcggc tccggtgca agtgccgcaa cggctgcgga ggggtgcaaca 120
 agatgtaccc ggacatggct gagcagggtga ccaccaccac caccaggct ctcgtcatgg 180
 gtgtcgcacc atccaagggg cacgccgagg gcgggttcga 220

<210> 27145
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-H7

<400> 27145

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 gcacaaggga tcctacggtg gtcaggggct ggcgacggtt gaaggccgtg tccatgggtg 120
 tcttcagcgg cggcgcccga cccaacacca ccaccaccac gacgactatg gaaatggagc 180
 cgctgtatcc gccccatgag gctcgaagtg acgcagatat caggttgaga agcccacagc 240
 ggaaggcacg tgaggtagaa gaagccagcg tgggtactcaa ggtccacac cgaaagaccg 300
 ctgttgccggc tcatgtatca tcgcagggtac aacagccctc gctaccttcg cagcaacctg 360
 acgtgggttg aacaaaaaat tcagcagcgg aagttgtaat ggacgtcgca tcaccgaaac 420
 cacttcaggg ggcgttgtcc atggcaacct 450

<210> 27146

<211> 371
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-F9
 <400> 27146

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atgtttctac tttcctagtt caagctggga ttgcgaagaa agagaacatc aagattcacg 120
ggttctaagg gacctgtaaa tgcttggtgcc ctatattgtg tgccttcaca tattggggag 180
cttgaagcat cgacaagtta ctagtcatctg cttacttata taagaacata agtagtattt 240
gctattgtca agtgtgcctt gcttgattca agttgtgttt tcgtatcatt attattattc 300
acggtcatcg tacgtgtatg gcttgatgg gttattgcc aacttaataaa agcacactct 360
gtttgcctat t 371
  
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<210> 27147
 <211> 399
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-G11
 <400> 27147

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gccatgatcc ttcttgcatc gtgtgtcggt catgctcaca ttattaatgg gcggcaaagc 120
aacaccggga gctcactat gaccacgacg ggggaagcaa gcatgataat tggagatgag 180
aaagatgcaa tttgctatat aaaagccgca ttgtattgct gcaaaaggac tatacagtgc 240
tatcaggaca tagcgcaatg cttgaggaac tgccgtaaaa atgtctaaca agaggctatg 300
ctttctccaa ctgtagatg gagatcataa agatgttacg ttagacctaa tcatgcatag 360
accggaggag aaatataagc taattagccc attcaaaaa 399
  
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<210> 27148
 <211> 452
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-G2

<400> 27148

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ggagcatgac gggcgggccc tactgccgcc ccgtccactg gcgccgtaac accgtcatcg 180
ccatgttcgg cgtcttcctc atctgcatcc ccatcgctat gaagtccgca gagctcgagc 240
aacgcccgca tcaccagtc cggccaatcc catctcaact gtggtgcaaa aacttttgta 300
agaaggaata ctgaaggacc cttcaactag catgaagtgt gtgcaccttg cttttgcctt 360
ctttttgtgg aaacctgtgc ctagccataa tgctggggta agtgtagga gcatctctgg 420
aatgcttctc gtagtatctt ttggatcttc tt 452

<210> 27149

<211> 412

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-G4

<400> 27149

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tagcaggctt tggcccggta cacacgcgtg caagatgggt caacgatatg gtcaacgtgg 180
tattctctc gaaggcgttc gtcggcgggg ctgtggcgta tttctggac aatacgtgc 240
atcggcgaga tggcgccgtg aggaatgacc gttggcacca tttctgggac aggttcaagt 300
cctttaaaga cagaccgcg caaccgagga atttctactt ctttccatt caaccttaaa 360
caagttcttt ccggtccttc tgaaccttat tgctggtaa ctgaaaaatg ct 412

<210> 27150

<211> 449

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-G5

<400> 27150

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ccctaaacct ggtgcctagg tatctctgcc ggcgacgagc acctgccagc tgcaggggta 180
tgggaatgga ggtcgttggt gctgaagcag caccagcaga gatcaaagta tctgatgatg 240
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ttttcggttc agagataact accaatgtca ccgatctggc accttcaaag gatgtgaagg 360
atgagtggcc tgaatctaag cagacttatg ccttctactt catcaaggtc cgctcatttg 420
aggatcttaa actgagggca aaaatcgag 449

<210> 27151
<211> 456
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3067-039-Q1-K1-G6
<400> 27151

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ggttacttcg tctggtcgtc agtttgaacc gcctggcatg cacatgatct atcttccata 180
ctccgatgat attagatata ctgaggaagt tcatgtgact tctgatgatg caccgcgtgc 240
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ctctgcatgc caatttgcta acccagcttt gcaaagacac tatgggatct tggaggcctt 360
agcttttaggc gaagatgaga tgcttgatat aaaggatgag accctgcctg acgaagaagg 420
ctngtctaag ccaggggtag ccaatgctat tgagga 456

<210> 27152
<211> 435
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-039-Q1-K1-G8
<400> 27152

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 aaaccatacg gacac 435

<210> 27153
 <211> 423
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-G9

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<210> 27154
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-H11

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gggaagccgc tccactacaa gggctccacc ttccaccgcg tcatccccga gttcatgtgc 240
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ttccccgacg agaagttcgt gcgcaagcac accgccccg gtgtgctctc catggccaac 360
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gacggca 427

<210> 27155
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-H12

<400> 27155

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cagttcgctg tggaaccacc aaaatctgtt gaatcagttc ttgacgctcc atcaattgaa 180
gaagtagatg aaactataat tctgtgcttg ttccaaatgg cattaactgc acggtcagat 240
gttctttgga agcctcttaa ccatgaggtg ctgatgcaga ctacgagtga tgaaattcgc 300
ccaaaatgc taggcctgaa cgttatcacg tacatggtcc aacatctgaa tgaggagtat 360
gtcgtctag taccacagac cat 383

<210> 27156
<211> 411
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-H2

<400> 27156

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aagatgatct tagagaaact acaggtcact tgggaatgac attgattaag ctggcaaaat 240
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ttgcaaattc tgttttaag atgagcaggt cacagataaa attaaactct gaaatgggga 360
aacacctgtg caggatccat gaatacttgg agatgatgat atcagtttat c 411

<210> 27157
<211> 396
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-H3

<400> 27157

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cccctactaa acctgttcag tcagtgggtgg cgcaccaggg tgaggatgaac tgcctgggctt 240
ttaaccggtt caacgaatgg gttgttgcaa ctggttctac tgacaagact gtcaaattat 300
ttgatcttag gaagattgat acttctctgc acaccttga ctgtcacaaa gaggaagttt 360
ttcaagttgg atggagtcca aagaatgaaa ctgtac 396

<210> 27158
<211> 123
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-H4

<400> 27158

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ggatgatctt aaaatacggc tgggtctgat ctgaatgcaa ccgcacaaga gattgatctg 120
tct 123

<210> 27159
<211> 443
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-039-Q1-K1-H5

<400> 27159

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catgagagaa gagactggca acgattttcc catgctgtga ttggagagga atctgaaaga 180
acttggcgtg aaaatgcaga catgtcatct catgagggga cagcagttga agatgataat 240
aacgatcatc ttccagaagc aaatgaagag tcaaccagtg ttgatcacct tcctgaagga 300
cttgaagggt ctatcactga tggtagtctt cctgaagcgc aagaagatca gcatgacagt 360
gatcatcttn ctgcagtgtg tgaagagctg attggaataa tcactttcaa gaatcacatg 420
gggaatggag aaaagatgat cgt 443

<210> 27160

<211> 459

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-F8

<400> 27160

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agccccctta tgccatcccg ctggtctcaa cagctacact gtgttctctc gtcctcacc 180
ctgggtgctc tgtaccgtcg taccgatgct aggcattggac ggacgtcaaa gtgacttccc 240
ctcaactctc gcgggtggcc acatataaat tgtccctaaa taaaacgacg ctgcaattga 300
cgtcttcaag ggaatcgaca aacccttttg tggagcaggc catacaattc tccgtagcag 360
ctgctaaagc gaccattatt gataaggaga ggaaggatgt agtagataag ttactgctgc 420
aaggctctgaa cattacaatt attggtcaca atgatttct 459

<210> 27161

<211> 246

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-D7

<400> 27161

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaataa aaaaaaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaataaaaa aataaaaaaa ataaaaaaaa 240
 atattt 246

<210> 27162
 <211> 412
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-E11
 <400> 27162

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 cgggcctgta cgtgataccg gtctagctag agaggttggt tctggcgaat cctctggcgc 120
 ggaaagggag tagggaaaaa aatgccttga cgtttggttt ggtctccgtc ggttggttagg 180
 gttggaagga tgtgcaaata cagggtgtga ttattgggct aagtaagtaa gtataatatg 240
 agtggtcggt cggttacctg gagcttgatc gtgatagtat atggatatgta atttcctctt 300
 ctcttctttt ggctgagcca tggatgggtg gcttgtaaca aggatggcct gatgtcagta 360
 tactacccta ccataccatg gagcatattt ggagattcag tgggtttcag tc 412

<210> 27163
 <211> 337
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-E12
 <400> 27163

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 gggcaagatc ggcgccttcg ggcctgcaa ggtggctgcc gaggagacct tcgagtgcct 120
 ccacaggggg gatgtttcga agcacaaggt tgagcatgcc ctgacgaaga tgtgcaagga 180
 gggcccatat tggcgactg ttgctggagt ttatgtgatc atgggtgtacg gcgtacaaag 240
 gatccgtatc cgcagtgact ggaagaacgc gattatcgga ggcgccttgt ccggctccct 300

gatctcctgc tccagcaaca acgacagatg caatgtc

337

<210> 27164
<211> 287
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-E2

<400> 27164

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gattgatgtt tagacacagt tcgttactta caacaagcca acaaatggaa acagattgat 120
caaattgtct ccactactta ttgaaaggga aatgtgcctt tgggctatct ctaagtatct 180
tggtgattaa gtgtccaaca caagtgccta agtggttaaat tataccaagg actcaagaag 240
tgaaaatcaa cataaaggta tttttctaag acttagtact ttgtttt 287

<210> 27165
<211> 350
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-E3

<400> 27165

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gacgcctgtg cggatgaatg cggtcgtgta ctgcgtgtcg ccctttcagc ttaaggttat 120
gcccgggctg tggaggaca tcaccaccaa gatccaccac aaggtcacct ttacactgga 180
tctccgtcac gtcctactc accctcgtct tttgcaccta ctaatacgcc ttgtggtaca 240
aggagcatga gaagctttcc cacagatatt aaatgcgctt tccttgacag acagcactcg 300
tagttttcat gattggtttc ataatcctcc catgatgatt taacatttgt 350

<210> 27166
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-E7

<400> 27166

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aagctttttc caaaacaatc tgttccagta aataaaccat ctactctgcg tactgaagat 180
gatcaacagt cagcagatgg ggagctggta tttgaatttt ttgaatatga acagccatac 240
tcacggcgac aattatttga caaggtaa at gagctgattg ccggtgcgaa accgtcaa at 300
tgccaaatat ctgggggacc aaagaatctg gaggccagcc tgcattgatct ccattccagcg 360
tcttgggtatt gtgttgcatg gtatcccata taccggatac ctgatggaaa attccaagct 420
acattcttga catatcactc t 441

<210> 27167
<211> 439
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-039-Q1-K1-E8
<400> 27167

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gaccgctcc gggagttcgc caaggacagc atccgcctcg tcaagcgctg ccacaagccg 120
gaccgcaagg agttcaccaa ggtcgccgcg cggactgcga tcggcttcgt cgtcatggga 180
ttcgtcggct tctttgtcaa gctcatcttc atccctatca acaacatcat cgtcggctcc 240
ggctgatccg taaacctcag gctagtggct gcaggagtgg acaatggcgt cactaccttg 300
gaggcagcac cgttttcagc tctgatttcc gcaaagcaat tccttttagga cttgtgttgt 360
taaagggcaa ctcccttata ttttctctc ttgaggtcgt gtggtagatc tggaactctt 420
ttgtacctgg tgtcgaata 439

<210> 27168
<211> 406
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-039-Q1-K1-E9
<400> 27168

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ccatatctct cctgtactgt agcttactcc cctatccaga accttatatc tcaacctgca 120
aattggcaga tccataccct gctgacccat atctctgctc cgaccatgac tgaccgccac 180
agcctgagcc gtacccttct gacccatata tctcattcac ctacgatctc attccatata 240
cagagccgta tctatactcc tactgcttct tcctcccata cccggatccg aatccagatc 300
catagccacc atacctccta cgcaacaggc tcgttcttga atccgtaacc tcttccgtaa 360
gaccgctttt gatactgctt tgatcagaac ccatatttgg acttta 406

<210> 27169
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-F10

<400> 27169

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acaagctaata tatgctgctg ccaaggctgg gggtattggg ttcacaaaaa cagttgctag 120
ggagtatgcc agcagaaata ttaatgcaaa cgttatcgct cctggattta ttgcttcaga 180
tatgactgct gaacttggtg aagagttaga gaagaaaatt ctgtcaacta ttcctttagg 240
gcgctatggt cggccagagg atgtagcggg cctgggtggaa ttcttagccc tcagccctgc 300
tgcaagctac atcactggac aggtcctcac catcgatgga ggaatggtaa tgtaaggctt 360
cgaatctgtg ccgctggcct ctaatgtgtc gcagaaaaaa atgtaattca gttttttgag 420
tgt 423

<210> 27170
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-F11

<400> 27170

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gtctcatcgt ctcatctctg gagaacggca cgaagccgga gttcgggctg gccccgcagg 180

gggtcgagca ggcgcgcgtg gccggcgaaa agttccggaa ggagcttgac gagattggtg 240
 tgccggtggg ttccgtcaag attcgttact cgccgttctc acggaccacc gagacggcta 300
 gagtggtcgc cgggtgtgctc ggcacccccct ttgaagctcc tagttgcgaa gcggtgctgg 360
 gacttcgtga gcgctacttt gggccatcat atgagttact ttcacatgat aagtatgcag 420
 acata 425

<210> 27171
 <211> 272
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-F12

<400> 27171

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 aacactttga accagtgcaa ctgcttaaag catatctgac ggatgttaat aaactgtcac 120
 atgccaagaa tgtcaaaatt tctactggag cacacaatga gatgaatgat cgtgagttgt 180
 gtgcactgaa atctgtcatt aagtgcattt aagatcataa acttgatgag ctacaccctg 240
 tgtaccact tcaaaaatag gtttttcaac ta 272

<210> 27172
 <211> 375
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-F3

<400> 27172

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 agtgcgctc atcagaatca cagtagctcg caccgcactc tctggcttct cgtcgatcgt 120
 cttcgtcgtc ctcgctctc cgaccacat gatggctagc tctccatgtg ccgcttctcc 180
 tctcgcacgt gccgcttctc ctcttggtt cgatatgttg tattgtttcc atgtaaattt 240
 agtcgggtggc ctggatcgag ttggctagct ctctctacag gcaagagaca accgaccgac 300
 cactactatc ttagagcaaa ttgattatcg tcatgatggt gtactgttca agcttttatt 360
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<210> 27173
 <211> 458
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-039-Q1-K1-F4

<400> 27173

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 gtccggcacg ccctacatga tcctcttcgg cgtcgtgcag attttcttct cgcagatccc 120
 ggacttcgac cagatatcgt ggctctccat cctcgccgcc gtcattgtct tcacctactc 180
 caccatcggc ctgggcctgg gcatcgcgca ggtggtgtcc aacaagggcg tgcagggcag 240
 cctgacgggg atcagcgtcg ggcgggtcac cccggtcgac aagatgtggc gcagcctgca 300
 ggcgttcggc gacatcgctt tcgctactc ctactccctc atcctcatcg agatccagga 360
 caccatccgc gcgccnccn cgtccgagtc caaggatcatg cggcgcgcca ccgtcgtcag 420
 cgtggccgct accacgttct tctacatgct gtgcgggt 458

<210> 27174
 <211> 400
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-F5

<400> 27174

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 agctaaaaga ttcacacctt ctgtatcaag catccattca ttagctgctt tgaaaccgtc 180
 atcttgatag aaggattga ccttcccttc tttgatgaac actttgttga tatctggaat 240
 gcctcgaagc gccatctctg tcaacatatt gccctctatc ttttttagga agacatcatc 300
 ctcagcagac tcctcttgta tttctccttt ttggagcttc atcatttggt atgcggatac 360
 tgaggataag cttatcccca ttatcaataa ttgaaatgca 400

<210> 27175
 <211> 432

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-F7
 <400> 27175
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 cgcctccacc tcaactcctgc cgtctgacgc acatggcctc catcgccgga tcttccgctc 120
 tctccttcgc catgcctgtc aaggcaatca actcaaattc tctagccttc tccccggtga 180
 ggaagggtaa cacattcctc cgcctgcaac cagtgcctat gagatctgtt tcctgcgctg 240
 ccaagaagga tacggtggac aaggtttgtg aaattgtgaa gaagcagctt gctcttcctg 300
 accacactga agtttgtggt gaatcgaaat tctctgaact tgggtgcggat tcgctggaca 360
 cggttgagat tgtgatgggc cttgatgagc acttcgacat tagcgtggag gagtccaacg 420
 cgcatacaat tg 432

<210> 27176
 <211> 291
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-D5
 <400> 27176
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 gggagaaaaa aaaaacgagc gggagcaaac aaaaaaaaaa aaaaaaaaaa aaaaaaacca 120
 aaagggcaat cactttaag gaccaaaca acgctttgac tggtaaaacc cttaacgata 180
 ctaatctgaa tccccaaaaa tcaaatcacg gtttcacat ttaaaactat aacgatgaga 240
 aaccaccga tttcccaaac taacatttgc tcaaccataa accgctaag g 291

<210> 27177
 <211> 441
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-C1
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agcaggcatg gcgcggtgcc tcgcgctcgt cgcctctctc gtactcggcc tcgccgccgc 120
 cgccgcctcc gcggccgacg cgcccttcgt cgtcgcgcac aagaagattt cgctctcccg 180
 cccaagccg ggcgtcgagc gcgttggcgt ctccgtcgac ctctacaacc agggatccgc 240
 gactgcctat gatgtgtcca ttaatgacga ctcttgacca acagaagtgt ttgagcttgt 300
 cactggagaa aaaatcgaag acattggaaa ggcttgacct tggtgccact gcttcacaca 360
 catatgttct ggagacaaaa cacaggcatg ttccagggtt caccagctat cattacatac 420
 cgtgttccca caaagacagc t 441

<210> 27178
 <211> 427
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-C11
 <400> 27178

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 atgatgatga tactaaagat tgtaaagggt tattttaagaa cttaaagttc tacttgagtc 180
 gagagggtgcc tagggagtcc ctgttattta taattccagc atttgaggagg actgtttcat 240
 gggaaggaga aggagctcca tttaaagaaa tagacgaaga tatcactcac cagggttgatt 300
 ccatttgcaa taatttatta caccaaagtt taactatata gacggagaca ttgtgtacca 360
 tccctaaagt aagatgccac tctaagtacc acgacagcaa tgccatacta gggcaatagt 420
 tactaca 427

<210> 27179
 <211> 425
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-C12
 <400> 27179

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catcttcac tttgtcttgg ttattgcgta ccacttcgtg atggcagacc cgaagtacga 180
aggaaactga tgtcctctag tgcaaagatc ctattatctg caggccgaaa tagggctata 240
ctgttagcta atgctagtga gatcgcttga cactttgagt gcatatcatg gaagctggac 300
atgcagttcc tggcattttg gttttgcccc tgttttaatc tgctgaatta gtaaactcctg 360
gagaattcaa aagcgttttc aagtactgca gttgggtggtt gtttctgggtc ctagtgtatg 420
catgc 425

<210> 27180
<211> 305
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-C2

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gttccaccac cgggcccact cggagatgct cctcaagggtg ggctacaaca actgcgtgcc 180
catcacgccc gagttctgca tggcgaacat ggccggccgg agcaacgagc agatcggccg 240
cttctgttcc cgggactggg accagcgccg tctctacgcc ttcttcgcct agaaggatgc 300
tctct 305

<210> 27181
<211> 383
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-C3

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gacgcttcaa acagaaaaat ctggtatagt atttgcctgt gctgaggcct gcaagcccac 180
caatgctgct tccaaccttc attgttccaa gcaaccaagc atgtgtttgg tttttcttcg 240
tcgtgtcgag tatgacggcc cctgacaggg taagtgtttg cttagtttgt agagcaaagc 300

tagcacataa gaaaaaatat tttggtatgg gtggggggca tgtatacagg attgtagccg . 360
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<210> 27182
<211> 392
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-C5

<400> 27182

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atagcttaca gttgcctagc ttccagatgc ctgtacactt cattaaatcg agcacttgca 180
aaaaagaaag ccagagagag gaagacgaac atcactagtc agcactagat tgtgtgtttt 240
atgttgagtt gcaaattcat gtcctgattt ttgtcctgcc atgaaccgtt aggcgatatt 300
gtattgaaa ggatgcttcc gctattgttt cacgatatac cgctcagag tagaagtttc 360
cagttaaaat gaactctgat tagttcgtcg at 392

<210> 27183
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-C6

<400> 27183

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gttcgacaac gctggtgcga tgatgagtgt agatgataca ttgatgtgct cgttccaaat 120
attgaagcct gcaaggaaga tgatgggtgg ttcaactaat aacaaatctg gcttcaagtc 180
attcatggga tggtgacaac ggcctgatgg tgggcacgct gcgttcgaca gggggtacat 240
cttacagcgg ctgcaactaa caggcatatg cattttcgcg gaaacctgct tgggccttgg 300
aagggcaaag cagatgtaga actgtgcac ttccatgttg gattaacact tgatgtaatg 360
tattgttatc ggtttttaaat aaaaa 385

<210> 27184
 <211> 450
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-C7

<400> 27184

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 tcggttagtc cacagcccta gaggctgcag ctgcacactt cccttctctg ttttcgccgg 180
 ttaaactttc cccacttggt gctggccttc gaatctgcgg tttgtttgag cttagcaggg 240
 aagcgaagaa caggaagca aggacatgga tgctttcagt gcagtgatgg acaaggtaaa 300
 gagccacca gaaatgatgg agaaggtaag tgcagtgatg gacaaggta agaagagcca 360
 cccagaagcg gtggaaaaag tcaaggacca ggtgaagagc cttgctgacg ctcttcacct 420
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<210> 27185
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-C8

<400> 27185

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 gattccagca gcgctcaagt tgttgaagat gacaatgacg atgaccttgt tatgtttgat 180
 gaggacccaa ggcaaagtaa gaagaagaga ttgcagtagc atcctgctgc ggcgataaca 240
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 atttatgcgg ttatgtacca agttgatgtt gaaacattag taacaatgcc cagggcacct 360
 tttggcctca gatagtcaga taccctgtag ggttgtaatt tgtaggaatt aggaacaaga 420
 gcaactaatg c 431

<210> 27186
 <211> 325

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-C9
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 atagataacg caatccaaaa ttacaacgat ttacaactcc taaacaggaa ccaaaactga 180
 attaaccgaa cctcttaaaa aaacatcaca tactggaaaa aaccaaactt ttaccaact 240
 aaaaaccctg gcaaaaaaca ccttaattac cagctttaa aaaaccaaaa agaccatac 300
 ccatattcat aacaaacatt aacca 325

<210> 27187
 <211> 295
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-D1
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 tcactctctc ctgtaacttt cattgaattc atagataaat atactcctat accttatttt 180
 attaacttaa tgtatttact ttttcttttt ttttcacac ttttttttc tttttttaat 240
 aaatgcatta atttcattgt ctgaatactc tttttttata actttaattt tattc 295

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 gctgcaaaag tgcaccgctt caatatgttc ctatccaaag cataagatca ttagtcctac 180

aaactgtcat catcattgta tctaaacctg gagatattgc tgagacccca gctgctttgc 240
 ttcttcaacc ataatttca gcagttggca gatggtgact ccatcgacat tcagtctcat 300
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<210> 27189
 <211> 415
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-039-Q1-K1-D11
 <400> 27189

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 cccatattgc agggcacatg ggactggaaa gtgggagtgg aaattcgaga acaagccggt 120
 aaacatatac tatgaggaac atgagcagga ggttgctgag aatatgaaga acattctcat 180
 gatccctacg atctctgatg tgagcactgt ggaggagtgg aggggtggttg ccaaagatat 240
 tgttgggcgg aaaggagaac ttggctaccg tgttacaatt gtcgattggc ctggtcttgg 300
 ttattcagat aggccatcac tgaactaaa tgctgatgtg atggagagct ttctggttga 360
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 <211> 456
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
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 gcggccccgc ccgccgacat cgcgtcccag tacaccgcg tcgagcagga gaacaccgtg 180
 ctccgggccc gcgccgccga gctcggcgac cgccttcgct ccgtcaacga ggtgctccgc 240
 ctcgtcgagg agttcagcgg cgtcgccatg gacatccagg aggagatgcc ggccggacgac 300

ccgctgctgc gtccctggca gctgccctac ccggctgccg ccatgcccac cggcgccccg 360
cacatgctcc actactgatg attgcctcca ccaaccacac caccatacat ctgatgctgt 420
cagctggngc tggttggcaa caagacaaga agaatt 456

<210> 27191
<211> 422
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-B9

<400> 27191

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ctcctccacg gcgatggccg gcacccccat caaggtgggc tccttcggcg agggccgcat 120
caccatgcgc aagaccgtgg gcaagcccaa ggtggcggcg tccggcagcc cctggtacgg 180
ccccgaccgc gtcaagtacc tcggcccctt ctccggcgag ccccgagct acctcaccgg 240
cgagttcccc ggcgactacg gctgggacac cgccgggctg tccgccgacc ccgagacctt 300
cgccaagaac cgcgagctgg aggtgatcca ctcccgtgg gccatgctcg gcgcgctcgg 360
ctgcgtcttc cccgagctgc tctcccgaac cggcgtcaag ttcggcgagg ccgtctgggt 420
ca 422

<210> 27192
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-H9

<400> 27192

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aggtacaaca ctgaatacaa gctggagacc tgcactgcgg tctaccgcaa gctgtgtggg 180
aaagatgtgg tctttgagta ccctatgacc gaaaatgcat aaatatgatg ccctatggat 240
atctgcactc tatttcggtg attctgaatg ttatgttggg tctccctatg tacttcaaaa 300
aacatagttt tgatgctaaa gttgcctaag aatttggtac ggggaagtgg cagtggacgt 360

gaacaatggt tagttttgag cattttaaadc aaacctttgc cctgaaaaaa aaaataacat 420
 tttttatt 427

<210> 27193
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-A10

<400> 27193

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 aacaaataaa ttactttata aaacctcaa attacaaaac ataaccctt ttaaaaaaat 240
 tccctttttt aaaaaaacct taatatcaaa aattaaatca ctttaaaaa tatccaactt 300
 ttacaaaatc tcaatttaaa aaaaaacccc ccatatatca cctcatcaaa aataatcaca 360
 tcaaaaatat caattaaa 378

<210> 27194
 <211> 422
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-A12

<400> 27194

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 acggcaagtg gcacgttcaa ggatggtgag ctgaggctca atcagagcgg cttgcggctt 180
 atctctgagg aaaacgggga tgaagatgaa tctacaaagc tgaaggtgga agatgtgcag 240
 ttatcaatgg atgatcttga gatgattcaa gtcattggca aaggaagcgg tgggtgtgtc 300
 cagctagtga ggcacaaatg ggtgggcaca ttgtttgcct taaagggtat tcaaatgaac 360
 attcaggagt cagttcgtaa acaaatagta caggagctca aaataaacca agcatcacag 420
 ag 422

<210> 27195
<211> 429
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-A3

<400> 27195

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aggccgtgca cgcgcgccctc gacggcgtgc agaggtggac ggtctgcagc agcgttcttg 120
agtacaagca gctggacctc cagatcccga ccgtgaacac cgtgggcgcg ctcgtgaaag 180
cgggcattcc cgcgctggtg tacagcggcg accaggactc ggtgatcccg ctgacgggca 240
gcaggacgct ggtggggcgg ctggcgcca ggcttcggct taacgccacg gcgccgtacc 300
gtgcctggtt ccaggggaag caggtgtgcg ggtggacgca ggtgttcggc ggcggcgcgc 360
tgtcctttgc cacggtgcgc ggcgcgttcc acgaggcgcc cttttcgag cccgagcgct 420
cgctcggcc 429

<210> 27196
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-A4

<400> 27196

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ggcggcgctg cttgctccag gggaaagcat catagcaaca gttttcaagt ttgtggagca 120
tccggagaac aacgagaagc cgatggacaa gtgcaagggt aagttcaaga ttgtcagcct 180
gaaagtcaaa gggccggtgg agtacgtccc tgaactgttt gatgagcaga aggaccaggt 240
cgcggttgag caaatattgc gggtagttct tggatgctga gcgcccaagc ccacaaatgg 300
acaaactcaa gcgccagcta gctgaagcag aagcagccct tgaggcacgc atgagacctt 360
cagaggacaa tgggtccccgt attgttggtg aaggccttgt ga 402

<210> 27197
<211> 411
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-A5

<400> 27197

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tgtggcactg ctttagttga attttcagaa gaagatgagg caaaaggcgt ttttgagaaa 180
aatctcattt ttgctggggc agacctggaa ataagaccaa agaaagaatt tgatactgaa 240
agagaggcaa agaaagaagc atatgagaag tcacatccta ataagagcag tcatggtgaa 300
ggctatccaa aagggtctgat tctggccttc aagctgaaga aaactgcaga tgatggtgag 360
acacgaaaaa gtggtggtgg caaagtagat gacactgacc ttactaataa t 411

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<210> 27198

<211> 441

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-A6

<400> 27198

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tgaagaaaag cctctctcac cacagccgcc acgccatggc cgaggagacc gacaccaggc 120
ctgcctccgc gggctcccga ggccgccccg cgcccagga cgacgacagg gaggagggcg 180
agatcaccga cctcgctgc gctccttccc cgcccgccac gcacccgctc gagcactcct 240
ggaccttctg gttcgacaac ccgcagagca agtccaagca ggccgcctgg gggagctcca 300
tccgccccat acacaccttc tccaccgtcg aggaattctg ggggctttac aataacatta 360
atcaccctag caaattgatc gtgggagctg atttcattg cttcaagaac aagatcgagc 420
caaaatggga agaccctatt t 441

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<210> 27199

<211> 425

<212> DNA

<213> Zea mays

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<400> 27199

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cgtttgcggc gaagagcgcc caggcgccca ccaggatgaa gtttgttgct gcctacctgc 120
ttgctgtcct cgctgggaac tccagcccct ctgccgagga cttgacagcc attctggagt 180
cagttggctg tgaagttgac aatgaaaaga tggaactcct tctgtcccaa ctgagcggta 240
aggacattac cgagctcatt gctgctggca gggagaagtt tgcttcagtc ccatgtggcg 300
gtggcggtgt ggctgttgct gcagctgcc ctgctgctgg cggcgctcct gcagctgagg 360
cgaagaaaga agagaaggtg gaggagaatg aagaaagtga tgacgacatg ggctttaacc 420
tcttc 425

<210> 27200

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-B11

<400> 27200

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gtggctttga aggtccatct atgctgggtca catggatatcc tatggatcaa tccgaaggct 120
agcttctgga gatgcctgaa gaagggtggac ttctggaaac tctttcggag ccattcttca 180
agcttcccag aaggcttgat ttacaatgt aacaaaacac acatgctgct catgacattt 240
cgagcatgta cctctggatg tttgtaggct cagaaaaggt cctggtctta ggctctgaaa 300
acctcatctg gcgaccatac gttatttacc ttgtatgggc gctcctcttg ctggtgagac 360
acggtgttac gagttacgac tcgatgaaca tgtaataaag cttttcagag aaaaaaata 420
tatatatatt 429

<210> 27201

<211> 408

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-039-Q1-K1-B12

<400> 27201

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 ccgtgctcgc cgccctgagc tgcaacatcg tgaaggccga ggtgtggacg cacgacgggc 120
 gcaccgtcgc cgtgatccag gtcaccgacg aggccaccgg gcgcgccgtc cacgacgcgg 180
 gccggctgtc caggggtgcag gagcttctcc gcgacgtgat gcggggcgac ggcacgtgca 240
 accacggcgg cacgggaatc tccgcggaga ggccctgca tacgctgatg ctggacagcg 300
 tcngcggcgg cggtgccgat gaagctggtg gcggcggtga cgagaggggt ggatgtggcg 360
 tggcgaagcc caaggtcgtg gtgatggact gcgcggagag gcggtaca 408

<210> 27202
 <211> 357
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-B2

<400> 27202

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 gtgggaagag atcaactgat agtttgaaga acagcagctt cggcaaccag gccggggggtg 120
 gttcaagctt tactcgcgac ttccataaca gctctagtgg caatcagttc ggtgatacta 180
 caagctttca tgccagctat ggtaacagca gccagaacaa tcagacgggt gacaatccga 240
 gcttcccacc cagcttcagc aacaatcagt ccgggggatgg tctcagtttt catgaaaggt 300
 tctatggatc acgcggaagg gacgagagca gatcatacaa tgatggattt cgtgcta 357

<210> 27203
 <211> 231
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-039-Q1-K1-B4

<400> 27203

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 gagggccaag aagaatatca agatctgaag tgctgacctt agtcactttc atggacaatg 180
 ttacgcttta ttgctgtgtg gtttatgaac agggtttggg taccacaacat t 231

<210> 27204
 <211> 297
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-039-Q1-K1-B5

 <400> 27204

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 aagaaaaaat aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa gggcgccctt tttaaagaat caaatTTTtac tacccttca ttccaatata 180
 aaatctTTTT tatagtgaac ccaaaattaa attaatTTTc cTTTTTTTaa aaatataatt 240
 attggaacaa ccTTTTTTTT accaatTTTaa atctctTTTt tTaaatccc tTTTTTT 297

<210> 27205
 <211> 414
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-039-Q1-K1-B7

 <400> 27205

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 cactgatgtg gctatcctgc tggacaacga ggccatctat gacatctgcc gccgttccct 180
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 cctgactgcc tcctgaggt tcgatggtgc tcttaacgtg gatgtgaatg agTTTcagac 300
 caacttggtg ccctaccga ggatccactt catgctTTTc tTctatgtc cagtcatctt 360
 tgctgagaag gcctaccag agcagctgtc tgtggccgag atcaccaaca gcgc 414

<210> 27206
 <211> 455
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-039-Q1-K1-B8

<400> 27206

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ggaggaattht gaggagcatg ctgagaaggc aaagaccttg cctgagaaca cgagcaatga 120
gaacaagctg atcctatacg ggctctacaa gcaagccacg gttggagatg tgaataccga 180
tcgtccgggc atattctacc aaaaggacag ggccaagtgg gatgcctgga aggctgttga 240
aggcaaatcg aaggatgagg cgatgaatga ctacatcacc aagggtgaagc agctccagga 300
ggaggctgcc gcctcttaaa agtctcttaa tagtggtgcc aaacagctat ttgtcagatg 360
agctntgtgc catttcctca ttagaagtat atcattcgat ccattgngga tctgtgaacc 420
atgtacctgt ttatgtaact ggttaccagt gttat 455

<210> 27207

<211> 308

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-H8

<400> 27207

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gggtgtcatc aagagatgca agctagagac cactgaaagc tgaatggaga cgttgacgct 120
gctaataaaa tccaaatcct ccatttgatt agcgtgaccg attgggtgga tggatcgccc 180
ttgcagtttg ctcggatttg atatgttagt gatgtaaaaa aaatgatgtc gtcacgtctt 240
gcgagatgaa tgaaccgact ttgttgtgat gaatccactg acagtcaact tatttattat 300
agggtttt 308

<210> 27208

<211> 387

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G10

<400> 27208

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aggaagcaga gcgctgtggt ggccgcccgtc tccatcgccc tgctcctcac ttcgcatctc 120

gcagtcgcag ctggagcaga agaagcagaa gcggaaggaa tagcgccgtt gaacacatgc 180
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attggactgc gctacaccgg cggtttctgc cagcagcagc aggtgatcga gggagacgcc 300
ggcgccgagc ctgctataat cggaggcgcc atctgcgtgt gcaccaagca gtgcctgctt 360
gtggatgtgg aggcggatca aggtgca 387

<210> 27209
<211> 434
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G11

<400> 27209

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ttcttcaagg acttgttcga cgactcagcc aagaccaga ctggggcagg cccttcagca 180
gctgagaagg gcccttctac ggcagatatg gctgtcggcg gatccttcat ggctctggcc 240
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ggatccacgg tgctttaaat ctgtcgaaaa ttactcgtct atcgtttggc caagaactcc 360
tgactgtaat gtaatgtaca gcttgtgtcc ttgtccttgg aaacagtaca ctaaaaggct 420
atctatgata taca 434

<210> 27210
<211> 278
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G12

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tttgagtgac aatggcttca aatgtaacct tccagtcaag gaatgttcta agcaagaaac 180
ttatggtgca caaagaggaa tctctctaca acattaacct attctcgatc attacagaca 240

tgtcattctt tctgtacatc atagtaacct tacttaca

278

<210> 27211
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G3

<400> 27211

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gacggtgatc gcgatccaca gcctggagga gtggagcatc cagatcgagg aggccaacag 180
cgccaagaag ctggtggtga ttgacttcac tgcaacatgg tgtcctccgt gccgcgccat 240
ggctccaatt tttgctgata tggccaagaa gtccccaaat gttgttttcc tgaaagttga 300
tgtcgatgaa atgaagacca ttgctgagca attcagcgta gaggccatgc caacattcct 360
gttcatg 367

<210> 27212
<211> 148
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G5

<400> 27212

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gttctcacc ttgacgatca taacacggtt tctgggggcg ccgtcaacaa caccatcaac 120
caccaaacg gacaccaaca atattttt 148

<210> 27213
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G6

<400> 27213

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ctcggcttcc tcggcatctt ccttgtgttt gtgggccata gggctctatc ctacctttcc 180
tcggtgtcga caaaacagaa gacggcatga gtggacagag ttttttccga ccatccattt 240
cttgaggggg ggccattgca ggcccttggg tgtcttatga gggagggctt cggttatttc 300
agttggcttt gcagaatact gataactaga taaagtagta tgacctcacc ttcgtgtatt 360
atgatgatgc acatacaatt ttcttagtag aatggatgtt g 401

<210> 27214
<211> 338
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G7

<400> 27214
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ggggcacgga cactgcttt agaagctgct ttcattggagt cggagctggt ggaggagctg 120
ctgcaaaacc tgttggtgcg cgcgactgat cctgaggatc ttgccaggta cacagggtgac 180
gggtcagggtg actctagagg aaagcctatc acaaagcata gcacagcgaa ctggagagca 240
tgtgcattga ttacaggtaa gacaacagtc tgagctatgt gctaagcatt gacacactca 300
tatgagttct agaacgataa ccagactagt catgtcac 338

<210> 27215
<211> 387
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-G8

<400> 27215
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gaatgaacca caaaagtatc gggatgtaat ttatggtgac tatgtctcat cttggtatag 180
caaagggtcca gagggaagc gaaacatcga cgccctcctg attcagcact agagccatag 240
gtatgcctta aaacagggtt gggccactca tctgtttcct aaacttctaa tgcatgtaca 300

atatatcagt ttccaacttt aaacaatcag gataaggaaa ccaacttgta tactggatgc 360
 agtgcaataa agtacctttt cattgtc 387

<210> 27216
 <211> 375
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-038-Q1-K1-H1
 <400> 27216

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 cgagaagacg ggttatactt tgtcgaaacc ctcttcgcta gtggagggtat cgaacccgat 180
 ggtgatcggc gatcgtgagc attcatgtta agtggttctaa tacttgagac ttttattatg 240
 actatgtatg agatattgtc tcttattagt actggatgag atgtgcctta ttatgattat 300
 ggattagact ttttgtgatg aaattgatga ggactatgga tttaaatatt gttatgtgaa 360
 tgtgtgtaag atgggt 375

<210> 27217
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-038-Q1-K1-H11
 <400> 27217

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 gcagagcaca gatgaagtga tggacgcaaa ctggattcta cgcaagttgg gcaaggatgc 120
 gatcggaag aggattgagg tccatctaac ttctgatggc aaatggcatc aagggatggt 180
 gtctaattgtc atgggtggca cgctgtgtat tcagttagat aatggcaggt ctgagaacgt 240
 ggagctgggg aagcaggcca tccgcttgat tgcttcaaga tcgaagggcg ggaagcgaatg 300
 aaaccttttc ccataatat gcagcttagg acctgttctc gctcaatata ttgcgccatg 360
 attatggcag gtagagtcct cccccctcag gtttgacatc cgctggagca gagcctctca 420
 gcctttgctg act 433

<210> 27218
<211> 425
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-H12

<400> 27218

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gagcagggtga tgaaaaacat gggcgagata ttgaaagcta gtggtgctag ctattcttca 120
gttgtgaaga caacgatcat gttggctgat ctgcaggatt tcaataaagt aaacgagatc 180
tatggcaa atttcccggc gccagcacct gcacgatcaa cctaccaagt ggcggcgctg 240
ccactgaatg cccggattga gattgagtgc atcgctgctc tctaatacaga tcatccaacc 300
actcattaaa tcatcaataa gcaccagga atttgtggta gaggtacctg taccagttca 360
gtgtctgaaa actgcgggta acaaaccttt gtgtaccgga taagtgatgt gtgtgtgtgt 420
gagtg 425

<210> 27219
<211> 378
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-H2

<400> 27219

caacaaagca gtcacttga gttcaattca gccatgagga gccaggtcgc agcagtagcc 60
aggtggttgc tctcctggc cttgggtgct gaggccgacc tctgcgtcac gcgtagcagg 120
accttcaaag ggtggtgcca ccagagcgag aactgcatca ccgtctgcaa gagcgagggc 180
aataccggcg ggttctgcaa gctcggggct tgcattgtgca ccaaagagtg tgtccgaagt 240
actgacgctg ctggtgctaa taaagcccca cagcagcatt tgagttgatg agtagtaaag 300
aagaacgctt ttgttatgcc aacgcattgct ctagaattcg aggccgaaat gacaaaaaat 360
aatgaattt tgtactct 378

<210> 27220
<211> 240

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-038-Q1-K1-H3
 <400> 27220
 ggatgtagtg attgtagtcc tgctcctgtt cggttccacg cgcgcacgta tgcgcttgta 60
 ctactgggtg ctgctcgatc gatcgatgat tccatgtaca tatttgtagt ggggatgctg 120
 cgggccaggc tatagagttt gaggggtgata tacttgctca tcagatcagt ttgctgcctg 180
 taagactggt tttggttttg gttttgctat aatcgtgata tatatattcc gatgtacagt 240

<210> 27221
 <211> 175
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-038-Q1-K1-H4
 <400> 27221
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 ctgatngttg aagatgaaat tgcagaagca atgctgcggc ctttatagtt gcaacatgca 120
 gcagatgaag cagttgtatt agaggctgct ctaattgctc agcttattac actta 175

<210> 27222
 <211> 349
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-038-Q1-K1-G1
 <400> 27222
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 ggagtagata gactcacaaa taccaggaga agcctccccg caagtcgttc aggtatctgt 120
 ctgcaggaac tctcgggtctg aatgggtgctt ttagcaaggt tgccaatttt gtgtagtatt 180
 ttgtcaaaac tgaaggcctt tggattagtt tgtgctggtc agctagaaac ctggaaacaa 240
 caaacttggt gagtagcgat gtttacaaga aatgtagcct ttatgggctc ttgtaaccct 300
 ttctctctta tcatattttg ttaaagaagc aaaatatcca ccaaaactc 349

<210> 27223
<211> 282
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-H6

<400> 27223

cggacgcgtg ggcggccaca gagcatgata ataccattgc cccttgaagg ctgtctcgag 60
agcgagcttc tacgccctct atgattgcct tgcttgcttg cctctactcg tccggcccag 120
ccatggccac catcctggag accatacaga aggcgaggct cctgcactca caggccgctc 180
aaggacgagc tgccaacctt atgcggcggc ggcagacagg agagccacct cacaggcctg 240
cggaagctgc tgaccgcctt ctccggcaag atccagccca tc 282

<210> 27224
<211> 455
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-038-Q1-K1-H7

<400> 27224

cagaactcca agaaacagtt gcacacttga ggcaagaaat cagtaattta tcgaaggctg 60
cagaaagcga ggatagtttt gctagcgtgc agtctagtga accatcaaca gcaagcactg 120
atactaggga tcaaacaat gaaatctcaa accgtgcaaa tatgtcctct agaacaacgg 180
acttaaata gtcaggattt atatctcaag tgctcaagca ggcttcagaa attgaaagtt 240
tgaaacaaga aaatctgagg ttggtggaag agaaggatgg actggaaatt catagtcaaa 300
agttggcgga ggaatcatcc tatgctaaag aattggcttc tgctgctgca attgaactta 360
agaaattggc agaagaagtc actaggctnt cttatgaaaa cgcanagctg aatgcagact 420
tagctgcggc aagagagcta aatgcatcga tgtca 455

<210> 27225
<211> 420
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E11

<400> 27225

tcgcccactc gttcgcccac ggttcgccc actcgtccgc ccacgcgttc gcccaactcgt 60
tgggtccactc ggtgcttatg agcttcgtga tgagaagcat aagctgaaat tggagaagga 120
gagtttagaa caccagatga agctgatgac atcgactcca acctacatgc ctcatccgac 180
cttgatgctg gcgcctttcc ctcaaggcacc cctagcgtcg ttccatgccc aggggcaagc 240
tgcatggcag aagctgatga tgccctttgt cagctatccg gggtagccaa tgtggcagtt 300
ccatgccggc ttcagaggtc gacacctga agaacagtga agcgtgccct cctgttgcat 360
aattgcttcg actagcggct ggtcctgctc acaccatgcg aattagtcgc aactgaatcc 420

<210> 27226

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E2

<400> 27226

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aagagtgact acagcatcat gggaggatta gtgattgaat tcgggcagaa ggtgcttgat 120
atctcaatca ggaacagggc gaagcaaatg gaggcgttct tgaggcaacc acttgacttc 180
taacagcctt ttggataaaa gaagcatcat cggaatgcag aggctgtcct gttgaagggtt 240
ttcctgtgtc tgcaatttta atctgtcctt ttgaataaaa tgtttcctct aataagtga 300
gggcactggt tttattgtct cgtgggccac agatgcctgc tgaacaattt atgttcattt 360
cttcttttct taaaaaagca tgcactaaga acatgaatga tgcattgcat gaaaagtttt 420
gaaagtcatt gaacctatga gcttctatgc 450

<210> 27227

<211> 374

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-038-Q1-K1-E4

<400> 27227

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 ggggggggtct ctatcaaaga aaccatcacc gctgccatca taccgaatgc atggtctgca 120
 ctgaatgttg gtgcacccca ttgtaaaggg tatggaatgc ttatcctaag agagtggaaa 180
 gttacatgaa aaatgtaaaa acattgatgt taaaattagt caatgataca tagggaagtc 240
 tccaaaccat tgtgatgaag atatgagatt ggcacggtct gtccgacagt tgatctgggt 300
 gacaagtgct gtgtgcttgt atgcaccact tgctgtgagg atgtgggcat ataaccatac 360
 angagtgatg caca 374

<210> 27228
 <211> 457
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E5

<400> 27228

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 aagcgagggtg gcagggcacc ggtgccggcc aagaagaaga cggataaagt gacgaaccct 120
 ctgttcgaga aaaggccgaa gcagttcggc atcggcggcg cgttgccctcc caagaaggac 180
 ctgcaccgat tcgtcaagtg gcccaaggtc gtgcgcattcc agcgccagcg tcgcatcctc 240
 aagcagcgcc tcaaggtgcc tccggcgctc aaccagttca cccgcaccct cgacaagaac 300
 ctcgctacca acctgttcaa gatgcttctt aagtaccggc ccgaagacaa ggctgccaa 360
 aaggagaggc ttctgaagag ggcccaggct gagaatgaag gaaaaactgt tgaatccaag 420
 aaaccaattg ttgtgaagta tggccttaac catgtga 457

<210> 27229
 <211> 383
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E6

<400> 27229

cgactcatgg actccagacc agctgaagat gatggcattc ggaggcaaca accgggcaca 60
 tgctttcttc aagcagcatg gatggaccga tggcggaag gttgaggcaa aatacacatc 120

aagagccgct gaactgtaca ggcagatgct taccaaggag gtcgctaaga gcgccacgac 180
cgataatgcc ctgccatcct cacctgtcgc atctgaggct tccaagccgc catccgatga 240
cttccctgaa ttcaaactcc cagatgtggc agcaccaccg gcagagaatc tgaatgggaa 300
gcatgagccc aagtccccca aagctgctcc tcgttcacca aaggccgcta ctcattccac 360
ctttgccact tctgtgaaga agc 383

<210> 27230
<211> 353
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E7

<400> 27230

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tggtttgcta atcttgctat taagatcaat gccaaagtttg gaggaagaaa cttagaattt 120
gctaattccca aataaagctt accgggtgtt acaattgaac caacaattat atttggtgct 180
gatgtcacac accctgccgt tctagatgat accgcccctt ccattgcttc cgttgttgcc 240
tcccaagact ggccaaggt ggctaactat aatgggattg tccgtgcaca tggatcatcg 300
aaagagctca tcaatggcct ggaagacatt gtcaaggaac tcctacttgc att 353

<210> 27231
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E8

<400> 27231

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agcctgaacc ttgaagcgcc ccgtagtgc gtgcagtgc gcagtgtgct accctcctca 120
gtcctctcac tccatcacia acgctagtct tcctctaaag agatctttgg caacgaccga 180
cagctcggag cgagtctcag aagcgatggc gtcaaagagg ctgctgctgg cggcgctgtg 240
cgtggtggct gctgcgctgc tcgccgtgcg gtcggagtcc cacggcctgt aggacttcgc 300
aagcagcgac gcgacgccg agatgcatac cttcttcaag cccgaggcc 349

<210> 27232
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E9

<400> 27232

gatgagataa atacagcatt agttcgacca cttgctcatg gagttaaaact tcatgcactg 60
attgatgcgt gtcatatggg gactgcactt gatttgcctt atctctgcag aatgaacagg 120
attgggcaat atgtatggga agatcaccca ccgcgatctg gtgtctggaa aggcactagt 180
gggtggggaag ctatttcctt tagtgggtgc gatgatgac agacctctgc agatacctat 240
gctttatcaa agatcacttc gactgggtgca atgacattct gcttcatcca agctattgaa 300
cgtggacagg gcaccaccta cggtagtata ctgaactcta tgcgttccac aatacgcaac 360
acaggtgact caacgggtgt aagtggctgt actgttacat cactaattac aatgct 416

<210> 27233
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-F10

<400> 27233

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taaccaaggc gtttcgagct ggtcttggga ggagaaggac cactgcctgg aggagacgga 120
gaagtcgttc tcttactcag gaggcctcct ccgccatata ttcacctgat ctatcgttgc 180
tggttgatcc agtctcaaac gctgtaaata catagtcctt tgactgttaa aactttatta 240
ctggtgaggg gatctcctc ccccaggtag ggtttacctg cattcaagtt gccagtgctc 300
ttactggatt gctggtgttt ggtgtttctg tgatgcaatc tgtattctgt aggtcatttc 360
atgactaata gagtcgacc cttccaatgc cgtcaatggc aagagctctt ccaatcaaca 420
tgc 423

<210> 27234
<211> 312
<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-F11

<400> 27234

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aaaaaaagaa aaaaaagaaa aaaaaaaaaa acaaaaaaaaaa aaaaaaaaaa acaaaaaaaaaa 120
aaacaaaaaa aaaaaaaaaa aacaaaaaaa aataatatac ctaaaacaaa accaaaacct 180
caaaatataa aaaactaata aaactgaaaa aacatttaac ataccaaaaa taaaaataac 240
taaaaaaaat cataaaaaaa aacaaaacac ttaaaaatca aataaaacac aaaaaaaaaa 300
ccctatcaaa ca 312

<210> 27235

<211> 433

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-F12

<400> 27235

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cgggctcgtg gaggagtcaa ttcatgccat tgtattagg gttttctcag tggcaattat 120
gtctgaagat attaagttca aattcaaatg gaaaagtgat ggaggaaaat ttgtgagcct 180
cacagataaa aaacatgtga ttgaaagagg aacaatgata aggttttctg tcaaaagggt 240
ggatacagaa atgagttgtc atattactgg atctttaatc ccacctcaca ctggatgcat 300
gcgttggttg tcagtacatg atcctaaata tgcacagaa ctcaaaagtg gtgaaagtag 360
atcaagggat acaagcatca aaattgagca gaatgaacaa gaacatagaa tactcaagaa 420
tgaagatggt atg 433

<210> 27236

<211> 302

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-F4

<400> 27236

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 atctggaagg caaacgcgta ttggagcttg gatgtggaca tgggtctcct ggcatttttg 180
 ccggtctcaa ggggtgctgac ctgattcatt tccaagattt caatgcctac gtgcttaggt 240
 gcttgactat accaaatgta caagtcaatc ttttcaagga ttcaccacaa ggaacatgta 300
 ca 302

<210> 27237
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-F5

<400> 27237
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 ggcgccctca ctctcgccg ccatgtccac ctgcgccctc ctagccagca gcggcagcag 180
 ccgcaggccg ctaggcgtg cccacacccg acgggctgga ctgcgcgtgg ccgcgcttaa 240
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 ccctgagaaa tctgctggcg gtgtattgct accaaaatct gctgttaagt ttgagagata 360
 tctgatgggt gagattctat cgatcggtgc tgaagtcagt gaagttgagg ctgtgaagaa 420
 ggttctcttc tcagacatca atgct 445

<210> 27238
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-038-Q1-K1-F6

<400> 27238
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 cagcaagtcg tcgtcgtcct cgagctcggc gcagcgggca gctgccgcac tgctcgtggc 180

cgccgcgctg gcggtgtccg tcttggtggt gggcgcgccg gcggtgtgcg acatgagcaa 240
cgagcagttc atgtcgtgcc agcccgccgc ggccaagacg acggaccgcg cgcccgccgc 300
gtcgcaggcg tgctgcgacg cgctggcggg ggcggacctc aagtgcctgt gcggctacaa 360
gaactcgccg tggatgggcg tctacaacat cgaccctcag cgcgccatgg agcttt 416

<210> 27239
<211> 412
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-E10

<400> 27239

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gattctgaga aaccaagcaa tcagagcttt gccatgattg tgaaatctca cacattaagg 120
ctccctgtcg gtaatccgga tgggacaatc attataagaa ccgaccagta caacagagat 180
gatctccgag ttgactatat gtatgcaaag ttctttgtta tcaagtcaat tggtgaggca 240
gatgtgcaca aatcgataaa gtatggtgta tggtaagtt cctccaatgg aaacatcaag 300
ctagatagcg cattcaggga tgctgacagg atatcaagga ggcattctac taagtgtcca 360
gtattcttgt tcttctctgt gaatgggagt gggcacttct gtggcatggc tg 412

<210> 27240
<211> 385
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C4

<400> 27240

gcacctcgtc cggcgccgct gctacttgga gcgccgacga gatcaagaag gccctccggt 60
gggcgctctt cttcgaggag attttcaagg acctgctcga ctcgggccag tacgaggatt 120
ctgcaagaga actcgatgcy gactccttg agctcacttc aagtcgccgag ttccctaagg 180
gtcttgctgc tgtacgttca gatttgctat ccatggcaag ggtgttggtt atgcgacatt 240
ttctgaaacc aaacacaatg agcgtggaaa acttttgtgc tcttcttgaa gcggttgctg 300
gcatggatat tgatggcatt tgtgctagtg gtgcgcacaa cgcattgcgag tatgctgagt 360

caatattgaa tatgaataca tcatg

385

<210> 27241

<211> 436

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C5

<400> 27241

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tgaatcccg ctcctcctgta ctgcatattg ccagcagttt gtcttctcac tgggaagtgc 120
atcatcccaa agattagtaa cctagagagt gtttggttta tatcgctctt tatctcaatc 180
tttgccactg gtatccttga gatgaggtgg agtggtgttg gcattgatga atgggtggagg 240
aacgagcagt tctgggtcat tgggtgttatt tctgcgcatt tatttgccgt cttccagggt 300
ctcctgaagg tgcttgctgg tatcgacacg agcttctactg tcacctctaa ggccactgac 360
gaagaatgtg attttgccga gctctacatg ttcaagtgga caacgcttct gatcccaaca 420
accactatct tgatca 436

<210> 27242

<211> 376

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C6

<400> 27242

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gatgcattcg agaatgacta cgttgaggaa ccactccctg aggaagagca agtgcgctccc 120
ttctccgagg atgttgatgc cagcgcgaag gaaatggatg ctgccgcaga agcggaggct 180
actggaacaa ctgcaggcgc tgagaagagt ggtgatgtcg ctgctgtgtg aaggcggttg 240
ctacaacctg aagaggtctt tttcggacac ttgaataagg ttaccttggc tagctatcta 300
ctacaatcat gggcatcttt atacaggttt gatgtatcta ccatcgaagg ttatgctatt 360
attgttcgct gaatct 376

<210> 27243
<211> 457
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C7

<400> 27243

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gcggcttgca ataattgagt acatcccatt gttggcgagt caattagggtg ttgggttttt 120
cgatgacaag ctggggggcgc tctgcatgca atggttggaa gacaagggtct tttcaatcag 180
agatgctgcc gctaacaact tgaagcgctt tgcagaagag tttggtccag agtgggcaat 240
gcagcatata atccctcagg tgctggagaa gatcaacaac ccacactatt tataccgcat 300
gacgattctg caggcaatct ccttgctagc tctgtcatg ggtgcagaga tcacctgtca 360
aaagctgctt ccagtcgtca ttaattcttc gaaggacagg gttcccaaca tcaagttcaa 420
tgttgcgaaa gtactacagt cacttgtacc gatcctc 457

<210> 27244
<211> 119
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C8

<400> 27244

caacaaaacc cccaacaga cccacttttt ctaaaagata atctaaaacc ccctctactc 60
taaccactac tactattctt caacaacaca ccttacacca ctcccatacc tcacttcaa 119

<210> 27245
<211> 262
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C9

<400> 27245

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aattgtggcc atacaagaag gaatcgaatg tagaacgatg atgtacgaga tagacttggg 120
gtagcggtag caccaattga agaaaacctt gttcaaaatc aaaaccgatt gagatggttt 180

agactttaga catgtccaac agagagatct atagaggcac cattccgtag tgggatctta 240
acacatgata atactaggaa aa 262

<210> 27246
<211> 429
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-038-Q1-K1-D1

<400> 27246

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gaatcgggtgg gtgaacatgc tgccctgtgac ttatccacag agccataatt accaacaaga 120
tgattttcac aaagctgttg cacggacctt gagccaagga tcagcaccta tgagcatgga 180
tttccatcca cttcaacaaa ctcttcttct tgttggtacc aatgttggcg acattggatt 240
gtgggatggt ggtaccaaag agagactcgt tgtaagaaac ttcaaagtct gggaccttgg 300
taaagtgtaca atgaccctac aggcagcact ggttaaggac ccaactgtgt cagttaatcg 360
cataatatgg agtcctgatg gaaccttggt tgggtgtgctt attcaggcat attgacagat 420
tattcctat 429

<210> 27247
<211> 424
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-D10

<400> 27247

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tgtttgacgt caagaatgaa ttcaagtcaa tgtttctgag ctttgccagt tccaagaatg 120
ccgccatgga gatcccacct gaaaactacc tcattgtcac aaaaaatgga aatgtgtgcc 180
tggtcattct tgatggaacg gctgccaagc tgagtttcaa cgtaattgga gacatcacga 240
tgcatgatca gatggtgatc tatgacaacg agaaatcgca gctgggatgg tcgcgttggg 300
catgcactat gagcgccaag tctattctgt cttcttttcc ctgagctcag ttctatgtac 360

ttctgataga gtttaagaaa atcactatat caaaccttct cgcaatgcat gaatttccta 420
actg 424

<210> 27248
<211> 433
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-D11

<400> 27248

gggagatcag tatgcagttg cacttggact acttgatgag ggcaaagttg ttctgggtgt 60
gttgggaggt ccaaactctt cattaaaatc aacaaacaag aacaatagca gctcttttgg 120
ggatcgaata ggttccctct tttttgctac aattgggtgt ggagcgcaag ttgaggcctt 180
agaaggatct gagccacaaa agattagtgt ttgctccacc aataatccag ttgacgcctc 240
attctttgaa tcctttgaag catcacactc caagcgtgat ttaactagct ccattgcaga 300
gaaacttggt gtccgagctc ctctgttag aatggatagc caagcaaat atgggtgcct 360
agcacgtggt gatggtgcc a tttttctgcg catccgcac aaaagttaca tagaaacagt 420
ttgggatcat gca 433

<210> 27249
<211> 414
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-D12

<400> 27249

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cgggtcgtca gcgtcctcga gctcggcgca gcgggcagct gccgcactgc tcgtggccgc 120
cgccgtggcg gtgtccgtcc tgggtggtgg cgcggcggcg gtgtgcgaca tgagcaacga 180
gcagttcatg tcgtgccagc ccgcggcggc caagacgacg gacccgccgg ccgcgccgtc 240
gcaggcgtgc tgcgacgcgc tggcgggggc ggacctcaag tgcctgtgcg gctacaagaa 300
ctcgccgtgg atgggcgtct acaacatcga cccaagcgc gccatggagc ttccggccaa 360
gtgcggcctc gccacgccgt ccgactgcta gcagtgtgct agccaagcca agcc 414

<210> 27250
<211> 403
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-D2

<400> 27250

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gaagggggcg gccccgcgg cacaggagac ggccgtgcac atcgtgtacg ttgaccgccc 120
cgaggacgcc gaccctgagg agttccacat ccgcaccctc acccccgctc tcggcagcga 180
acagaaggcc agggacgcag tgctctacca ctacaagaac gccgccagcg gcttctccgc 240
gaagctcacc cccagcagg tcaaggatct caaggagcaa ccagggtgtc tccaggttgt 300
gccgagccag acttaccagc tacatgggtc tgggtctggc actcaccagg gcacgacaca 360
caccttgggc cttatgtgaa agcgtatgag aatcaagaag att 403

<210> 27251
<211> 264
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-D3

<400> 27251

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ggaggatctt tgcaatctcc tacactacaa caaataaccc atgaccatcc acgattactg 120
aattgcctcc tgctttccag agtgcaatat aatgcacatt ggctgcactg tatgctgtta 180
aactgacac tgttactcat aacactttca acacacaaac ctcttcaggc ctttatgcat 240
taacatatat cgccactact atta 264

<210> 27252
<211> 402
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-D5

<400> 27252

accgagtacg agcaaccgct tgcgtcagac tcacactgac ggagagtgat cactgattgc 60
 gggtcatggc aaccgtaact gaggaagttg ctccggtcgt caccgtctcc gatgagccgg 120
 cgccggaagc ggcgaatgag gtgggtggaga agcccagga ggggaagaag cccgactagg 180
 aggggtgacga gaggaagaag gccgaccccg ccgtcgagaa ggagaagaag gcgaggaagc 240
 cgcgaggacag gaagcccaag tccgtcgggc tgcaccaccc gccctatttc gaggtgagca 300
 aagatgccgt cgtcgtcgtc gttcgtcttg tcggttactc atccgtgctt ggattctcat 360
 tctgatgacg ggtcgtctgtg tctgctgggg acctgaggtt at 402

<210> 27253
 <211> 393
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-038-Q1-K1-D6

<400> 27253

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 tgtggtacaa ttttacgac tcccttgtct gggcaccatt cctggtcaaa gctaaaatat 120
 ttgaggacga cgatggagtt tctactgctg atctccagct gcaccttgac gttctcgaga 180
 cagactggac tagtcaatgg gagaagttcg attacgcggt gatatccacg ggccaatgg 240
 tcttcaagac tgcagtgtac tgggagaatg gagctgcgat tggctgccac tcttgcaga 300
 acaaaaccct ggaagagagg cctnccgagt actccttccg cagggcactc aggggtggcct 360
 tccagttcat cacattctca ccttacaagc cag 393

<210> 27254
 <211> 346
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-D7

<400> 27254

ctttgtttta tgtagaagaa aaggacatgg ctgatggtgg gctttcgatg tcattcctct 60
 tccgtcttcc tacatcttct tcggtgcgct tctccaaaca aacagatgaa gatggtgaag 120
 gaattcctct aagatcgtcc gaatcattcc ggtcaccaca ttaacgcatg tttgctaata 180

attaatttgc acagagttag ggggtgggtat tatatagata atgctatcag tgagcttgta 240
ctaagggtag gatggatgga ccctcttttg ctttggcaga attgtatatg tatgccaac 300
atcttgtgga actcccaata tatttctctt ggctgtcgtg tgtgat 346

<210> 27255
<211> 413
<212> DNA
<213> Zea mays
<223> unsure at all n locations
<223> Clone ID: LIB3067-038-Q1-K1-D9
<400> 27255

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cggaacatg tgcgctgcag cgtatggcac gtaccgcta tatggcaacc agcagctagt 120
gagctagaga gctccctcc gacgtgtccc ctctgacggg aaacaaagg tttggtccgg 180
tgagcatagt agcgtcaggt gagaagggtgc ctttataagg ctgtcctaag aagtgggcga 240
gatatgttgt tgcacgnta tcgttatggg gctgtgaact gttgtgtgtg ccgtgtgcgt 300
tcggaagaat tggatggaat ggaactcgtg gcttagtgta gtacatcaaa gagtcatgtt 360
attctttcaa gaaattttga cttggtaata aataaactat ngtttgtgcg tcc 413

<210> 27256
<211> 358
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-038-Q1-K1-E1
<400> 27256

ctcgtctgtt tcctctacgg ccgccaccat cgctctgcga ccgctgcgg ctccgctcga 60
aagggtttag tgaagatttt ttgaagccga gaagatgggtg ctgaagacgg aactctgccg 120
ctttagtggc cagaagatct atcctgggaa aggcatcggg tttattcgtg ctgattctca 180
ggttttcctt tttgccaaact cgaaatgcaa gcgctacttc cacaaccgcc tgaagcctgc 240
aaagcttacc tggacagcaa tgtacaggaa gcagcacaag aaggacattc atgctgaagc 300
tgtcaagaag aggcgcgcg ctaccaagaa gccatactcg aggtccattt ggggtgct 358

<210> 27257
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C3

<400> 27257

aacattttca agtttagctca aggagaatac atagctccag agaagattga gaatgtctat 60
 gctaggtgca agttcattgc tcaatgcttt atatatggtg atagtttcaa ctcttcccta 120
 gttgccattg tagcagtcga accggagggtg ttgaaggctt gggctgcac agaaggaatc 180
 cagtacgagg acttgagaca gctctgtgct gatcctagag caacagctgc tgtcctggct 240
 gatatggatt ccattgcgaa ggaagcacag ctgagagggtt tcgagtttgc taaagcgggt 300
 actcttggtg ctgagccatt cacattggat aatggccttc tcacccaac attcaaggctc 360
 aaaaaggcgc aagccaaagc atactttgca aagaaatctc aaacatgtat tca 413

<210> 27258
 <211> 411
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-038-Q1-K1-A8

<400> 27258

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 tggcattctc gtgggtccgtt atccgggaca ccgtcacccc gatcaacctg ttcggatatg 120
 ggatcgcgtt tttaggggtg gctactaca atcatgtcaa gctgcaggcg ctcaaggcta 180
 aggaggccca gaagaaagcc gcacaggctg atgaggaggt tggatcgctc ttgcaggagc 240
 gcgatggaca cggatgatcat aagagcgaca atcaggctta gactgtcaga tctgatcctg 300
 gccttcccat attgacttca gcgccagaa gaattcttga tctgntgttg cggcactacg 360
 caactcaacg agatttttgt cgatgcacat tggggaagat cttgagcaac t 411

<210> 27259
 <211> 395
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-A9

<400> 27259

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aactccaagg gtgcatcacc gagccggtag acggggaggt ctgcggtctt cggcttcggt 120
accttctcct tcgagaactc catgctcgac gctatcgaga acatgaacgg caaggagctc 180
gacggccgta acatcacctg taaccaggcc cagtcccgtg gcggtggcgg tggcggcggt 240
ggctacggcg gcggtcgcgg cgggcggcgc tatggtggcg ggcgccgtga cggcggttat 300
ggcgcgggtg gcggctaccg cggtcggcgc gaggggtgtg cggcggctac ggaagcgggtg 360
gcggctacag cggtcggcgc gaggggtggtg gtggc 395

<210> 27260

<211> 330

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-B1

<400> 27260

gaaaaaaaaa aagaaaattt aaaaaaaaaa aaggcccaac caaaagggcg gacgaacaaa 60
aaggaaaaag caaaacaaag caggaaagaa agagaaaaca aaagacaaaa aaggcacaaa 120
aaaaaaaaac aaaggacaac agaaaaaaaa ggacaaaaag gagaaaaaaaa caagagaaaa 180
aaaaaaaaaa aacaaaaaga acaaaaaaaaa caacaaaaac acaaagagca aaaataaaaa 240
ggacaaaaaa acaacagaaa aagaaaaaag aagaaaaaca aaagaacgaa gaaaaaacac 300
aacaggaaaag agaagaaaaa aagacaagag 330

<210> 27261

<211> 435

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-038-Q1-K1-B10

<400> 27261

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tggcgtccta cgctccagtc atttctgctg agaaggccta ccacgagcag ctgtccgtgg 120
 ccgaaatcac caacagcgcc ttcgagccat cctccatgat ggccaagtgc gacccccgcc 180
 atggcaagta catggcatgc tgcctcatgt accgtggtga tgtgggtccc aaggacgtga 240
 acgctgctgt ggccacaatc aagaccaagc gcaccatcca gtctgtggac tggtgcccga 300
 ctggcttcaa gtgcggaatc aactaccagc cttccagcgt cgtccccggc ggtgacctgg 360
 ccaaggtgca gcgtgccgtg tgcattgatc ncaactccac cagtgttggt gaggtcttct 420
 cccgcattga ccaca 435

<210> 27262
 <211> 428
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-B11

<400> 27262

gttccactg tcagtaacac aaacagaggt atactaaaaa cctctgaaaa gtcgagttgt 60
 gattctgctg agccccgaag gactacttct gattctgctg aacctagacg atctaacagg 120
 cgaattcaac caacttcaag gttactagag ggcttgcaaa gttccctcgt aatctcgaaa 180
 gttcctggcg agaaggttcc taggagcaat taaaaagtg catcctcaag agggagaact 240
 caagctcatg ggtgagtga ggcaccacat agctcatagc tgcttttggg gggacagctc 300
 tcgtgtacat agctgtagcc gtccagtatg gaaggaggat agggttggag taggaagtct 360
 ttattggagc gcatggattc agatgtatta taaactaact taagtgcatt gtgttaacct 420
 tttctttt 428

<210> 27263
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-B2

<400> 27263

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 gcgttggatc ctgtatcggg tagtccttgc ctgcaagggt cttgttggtt tgttttggtg 120

gtcgcgcatc gcatgttctg cttctggatc cagatctgga gaaatcgca agtcgtcgtc 180
gttcggttcg gagcggtatc gaggcgacga tagatggagg cggcgggacg tctcgggtctg 240
cagtctctgt ccacctcgat ggatgatgtc tctgcgctga taattattgg atcaatttctg 300
ataattatta gtagatctat gagatatgcc gcctggaaga ggcgaggtaa gctgcagcat 360
gt 362

<210> 27264
<211> 397
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-038-Q1-K1-B3

<400> 27264
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gtggtgagag ggagacaacc agcgcctgga gattgttccc tggatgaaca ggaaatgtgt 120
gaccgagccc gcaccaagga ggagctcctg ccgtaataag tgaagtgtgt ggtactgaag 180
tttctggaaa taagaggctc ttccgagatg cctgtttgtg tgagtatttg cgtttccatt 240
ccgttttcat gataataaaa cgcattgatt attaatatat gtaatgtgat gctacactga 300
gtggcagcgt tggatatat ttgtaagaag taagaaccca ttgttggttg actaagcgtg 360
acgagtgtgt tactgatgta tngaaccttg cttgatg 397

<210> 27265
<211> 331
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-B4

<400> 27265
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ctgatcgtcg tagcgtatgca gacggaggcg atgccgctcg tccacaagtt caagctcgtc 120
gaggcgcccc cccacgaatc cacatttcct aaagggtccc catgggttag gtaccatggc 180
aactacaaag gcctccacat tgaccttgta ttgcctggaa aggatgctgt tttaggagtc 240
gacagtgttg gtacggtatc ggcagctctt ttgactagtt tttccattca aacattgaag 300

ccagacctta tcattaatgc tggcactgct g

331

<210> 27266

<211> 462

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-038-Q1-K1-B6

<400> 27266

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cgccctggca tcggcagcgc ccaggacccc ggactggcg ccgtccgccc cgtcgtcttc 120
cttcagggc gcgtcaacgg ccagtacatc atcgaggac tctcctccgg gttcatgttc 180
ctccttggcg gcattggcat catcctctc gacctcgccg tcgaccgcac gagggccccg 240
agcctccgcy tctcgtttgg aagcgccggc gcagtcgccg ttgtcatcgc ctacgccatg 300
gccatgctct tctccgcgc caagatcccc ggctacctct ggtgaggttg ataaatcttg 360
cctgttaact agaccagatc cgtcgcgaga tctcgctgca tctaaataga cctgcgtgct 420
gtgcagtgtg gactgtgctc tntcatntg tcaattaatg tt 462

<210> 27267

<211> 457

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-038-Q1-K1-B7

<400> 27267

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tgctgcagct agagcatata ggaggagggt gttcgaccat tacttttccg atgtccaaga 120
aattcccaag gtgtctagtt ggttacatga gcatcatgat agtttgtggt atcgtagtgg 180
gtttaatcca gccatcaagt gtgactatgt taccaacaac atagcagaag tgttcaacaa 240
ttggattaag gattggaaa atctgcctgt ttgtgacttg gctgacaaga taaggaagga 300
aatcatggag ttgtttcaaa agaggaagga gataggacag aggttgcaag gtcgaatact 360
accctncgtg gtccatatcc tncatgtaag gactagaggt ttaggtcact taacagttaa 420

gaaagctgac aattacattg caaaggtgag ggataat

457

<210> 27268
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-B8

<400> 27268

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gaggaccaag gctggtgacg ccaagaagaa gtaaacagtc atttatattt ctgtattact 120
gtcctgaact ctgggtggtc gtctagttgc aatgtcataa ttatggtcgt gttaggtttt 180
gttccgcact cagcagtaag tgaagttttg taattcctgg atgtgaacct acccggattg 240
gctgtagcat gttgtgagat gagaaggcta ttttgtcatg cagttgtgtc atttgcaagc 300
caatccattt tgtcatgcag ttgtcatttg ctcacctctg atccatatca gctttgatcg 360
tgctgcattt gcgcacaaaaa 380

<210> 27269
<211> 414
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-038-Q1-K1-B9

<400> 27269

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gcaatgcgtg tgagatggct gtggtatgga tgcagaacca acttgcccag aacaagacac 120
aggagctcat cctgaactac attaatcagc tttgcgagcg tcttccgagt ccaatgggag 180
aatcagccgt ggactgtggc agtcttgcgt ccatgcctga cattgcgttc accattggag 240
gcaataagtt caagctgaaa ccagagcagt acattctgaa gggttggtgaa ngacaggctg 300
cccagtgcac cagcggattc acagctatgg atatcccacc acccgtggc cctctctgga 360
tcttgggtga tgttttcatg ggagtctacc acaccgtctt cgactatggc aagc 414

<210> 27270

<211> 431
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-038-Q1-K1-C10
 <400> 27270

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 tataggaact atgacttcgg gcggtgcccg cgtgtttact gctgtggtca accatgcctg 180
 ccggttggac aatcagatat tcatcgatct agtaccgtga aaatatactg cccaagtgt 240
 gaagacatct actaccacg gtccaagtac caaggcaaca tcgacggcgc atattttggg 300
 acaacgttcc ctacactgtt cctgatgaca tacgagcacc tcaagctaca gaagcccttg 360
 cagcgctatg ttccctcgtgt ctttggttc aagctccata agccatgagc ctcatgtatt 420
 tggcttcaag c 431

<210> 27271
 <211> 449
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-038-Q1-K1-A7
 <400> 27271

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 ggggacctgt atatcacagg agagagctac gctggccact acgttcaca gttagcccag 120
 cgcattggtg agttcaaca gaaggagaag ctattcaacc tgaaaggcat tgctcttggc 180
 aacctgtgc tggagttctc caccgacttc aactcgcggg ccgagttctt ctggtcgcac 240
 ggctgatat cggactccac ctacaacatc ttacgacgg tgtgcaacta ctcgcggtac 300
 gtgagcgagt actaccgagg ctccctgagc acggcctgag acaggggtgat gagccagggtg 360
 gcgagggaga cgagcaggtt cgtcgacaag tacgacgtca ccctggacgt ctgcatcttc 420
 gtcggtgctc atgcagtcac aggtcctcg 449

<210> 27272
 <211> 318
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-C2

<400> 27272

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taggaggaca ataatcacgc tgaataagta ggccccacat cacagtcctt ctggcaactg 120
cacatggttt tatcatttta tttttaaaat tgttttttat ggacattatc tcgatcacgt 180
tcctgccaca gaagctcatc aagcatcgga cggcctgtag ttgtagacgt gaaagcttgc 240
atgtggggcc acggcgtcga ggaagatcct ggccgtcgcc ttctggggcca ccgacgcctg 300
ctccttctcc acgagcgc 318

<210> 27273

<211> 384

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-037-Q1-K1-H12

<400> 27273

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gcttggtggt catcgtaact nctgttttgt gcatgttgta ccacagggtat ctagcaggtc 120
acttaagaag gccattggat tcaaaactca tgtacgctac tgtgatgcat tgatggtcct 180
gaagtcatgg ataatgtcaa aggtaccctt tagatcaagc attccttcca agttgtccaa 240
atgttaggca tggaaggaac atggagatag gaggtggcaa tggatgaatgg agtntatttt 300
gttcgtataa tacttttcat tcatngtctc atttacattt aatacccttc tcaaaccctt 360
taaattatct atgatctatc tatg 384

<210> 27274

<211> 423

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-H2

<400> 27274

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aggcgaggt gcgagctcca ctccccacac ctccagaaga aaaggtgatg gcgcaactgc 120
 cgccgcgggc gccgagcgcc gcgcccagg accactggcc gccggcggcg ggggagttcc 180
 tgggcttcgc cgcgccagg cgcgccgcgc accgccgtc cgcgagcgac tcggccgcgt 240
 tcctcgaggc cgtgcccatt gacgacgacg tcgtcattgg cgcgccgagc tcggcggcg 300
 acgacttcga ccgtctcgac caccaccagc ttctgtccat gttctccgac gtcgacgtct 360
 tcgtcttcgt ctctgtctac ggcagcgccg gtgagagggc gcagcttatg gacgcggtgg 420
 gtg 423

<210> 27275
 <211> 328
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-037-Q1-K1-H3
 <400> 27275

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 acgacgagcc cagctggaga gggagcttat gctggacgat gtcacccgca tcgaagacat 120
 gccgtcatac agcctgcttt gctagtaacc aaaataccaa attcgccgga gaacagaact 180
 gagttgatgg ttcaactgta tagtacctcc ctttgtctga tttctgggag gatttttttt 240
 tagcaacaaa gtagagtgtc gacgtactgg tatcatgctt aatttgggct aatgatgggt 300
 atatgcacaa aataaaaata tatattat 328

<210> 27276
 <211> 409
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-037-Q1-K1-H4
 <400> 27276

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 tgctcgtgct cccccacccc ctttctgatt cagcaagggc tccttccgcg gcgcggcgcg 120
 tcgccatggg caactgctgg ggcgccaaga tcagctccga cagcccgtcc cgcgccgcct 180
 catccccgtc agggacggcg tccaagttgg cgagcaggaa cggggcggcg gcagccctga 240

gcgggtgcag cagccacgcg tcgtccgcgt ccatgctgcc gacgccccgc agcgaggacg 300
 agatcctgga gtcggccaac gtcagggcct tcagcttcaa cgagctgaag accgtcacca 360
 ggaacttcag gccggacagc gtgctgggag aaggcggggt cgcatccgt 409

<210> 27277
 <211> 212
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-H6

<400> 27277

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 ctgggtggtc taggaccgac ttagcgaatt tcgaagcaag ggactgaaga ggaacctgag 120
 gaaggcgaaa atgatctacc ggaactggga gctgttctcg tccacagtcg tcatttgggt 180
 cggcttcgcc accgtcagcc tcgccgtat ct 212

<210> 27278
 <211> 316
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-H8

<400> 27278

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 ggtccagcaa catcagttga tgattcagta tcaatgtcac aacatttgcc tgcttcattt 120
 ggtgatgctt cacggatcag cagcactgat attgttggtg cacctagtgt ccaagagaca 180
 gatgacatgc aggttgatag tcatgttgct gaggactcag agccagaaaa cgatgatctt 240
 tatttatcaa attgtcgaat ttctctggtg ggttttgaag agtaagagtt ggtaatgctt 300
 gtcatgctga tacgta 316

<210> 27279
 <211> 438
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-H9

<400> 27279

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tgttccatta tgatggtcgg acaactgagt gggatgaatt tgagtgggtca aaaagggccg 120

tccatgtgag tgtcacaaag caaaccaaatt ggtgggtatgc caaacgattt ctacatcctg 180

acattgtttgc ccgctacgac tacatatatta tctgggatga agatcttggg gtcgaacatt 240

ttaatgcaga ggcgtacatt aagcttggtta ggaagcatgg gcttgagatc tctcagcctg 300

gtttggagcc cgataaagggt ttgacatggc aaatgactaa acgaagagggt gatcaggaag 360

tccacaaagt aactgatgag agacctggct ggtgtagcga cccttacctg ccaccatgtg 420

cagcgtttgt tgaaatta 438

<210> 27280

<211> 382

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-038-Q1-K1-A1

<400> 27280

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agagaggcgc acagcactgc cctttcactg tgacatggtc ctaaggatgc ggcggcttct 120

acactacgca gataagtatc tatctgaacc taaggagag acaactcact aattgtcatg 180

tacaattaat atctagctag gtaggtatgt gagggcacat ttgacgagct ttgtagactg 240

atthttgcaat aaccctgata acttacagggt ggatgctgta acctttatct ctttttttag 300

gtctgtattg tttgtcgaca caagatttga gatatgattc cgtttgtcga ctgtattaat 360

cagaattaca agtacagcgt tt 382

<210> 27281

<211> 396

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-A10

<400> 27281

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gctttatcgc gatccactat acatgcgtca gcatcaacgg cgacggtcgc aaggatcgcg 120
atgtaaaacta ctgtaccaga gattaacaga tgatcccaat gactgctgaa tatgtaaaac 180
taacatgtga acacattatc atatataatg acaagtatgt tgctcactgc ataactcctt 240
taatctatct ttgcactagc tctatcacaa gtcactgcgg tgctaaacca tcattaatca 300
aatcgacgcc tgattacaaa gcttactata tgaccataaa cacgtcgga ctcattgtacc 360
atactgtgat ctatatgaat gctaagtacc tacgac 396

<210> 27282
<211> 400
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-038-Q1-K1-A11

<400> 27282
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cacgcgcgcc gtcgtcgcca gcccggggttc atttctccgt tccttggtgc ggtggtagcc 120
gagcgtccg gccatggcgt tctatcgggg cctcaccgca gtctcgagac tgcgatcacg 180
catggcgcan gaggccacca cgctgggggg tgtgaggtgg ctgcagatgc agagcgcggt 240
cgatctcgat cttaagtccc agttgcagga attgattccg gaacaacagg atcgcttaaa 300
gaagctcaag tcagagcatg gaaagacca gcttggaac ataactgtgg atatggtcct 360
tggtggaatg agagggatga ctggaatgct ttgggaaaca 400

<210> 27283
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-A12

<400> 27283
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tggaggggct gcaagtgtg ctgcccgtgc tgcagaggag aagaaggaag agccaagga 120
ggagtctgat gacgacatgg gcttcagcct gttcgactga ggaggccctc gctaccagc 180

cattagcaaa ttcccttatg ctgtccaaga cttatcttac gctatgtctg tagccttttg 240
 ttattacaag tactcaagtt ttgagttttt gagatgtggc tatgacaatg tgatgaagaa 300
 ccctaaacca tcgtattaga gtgaaacttg tttctatata gagttccaag tttcttgaac 360
 ctc 363

<210> 27284
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-A2

<400> 27284

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 cagagagatt caggtgcccc gaggtcctct tccagccatc catgattggg atggaggctg 120
 ctggaatcca tgagacaaca tacaattcaa tcatgaagtg tgatgtggat atcaggaagg 180
 acctctacgg caacattgtg ctcaaggagg gttcgactat gttccccggg atcgctgac 240
 gtatgagcaa ggagatcact tcccttgac caagcagcat gaagatcaag gtcgtcgac 300
 cacctgagag gaagtacagt gtctggatag gagggtcgat cctagcctcg ctcaagcactt 360
 tccaacagat gtggatatc caagaggagt atgatgagtc tggccc 406

<210> 27285
 <211> 435
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-038-Q1-K1-A3

<400> 27285

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 cgactgctgg acctgggtga ggcatttca actgcgcccc tcccctccgc cgcagcacc 120
 agccccetta tgccatcccg ctggtctcaa cagctacact gtgttctctc gtcctcacc 180
 ctgggtgctc tgtaccgtcg taccgatgct aggcattggc ggacgtcaaa gtgacttccc 240
 ctcaactctc ggggtggcc acatataaat tgcctctaaa taaaacgacg ctgcaattga 300

cgtcttcaag ggaatcgaca aacccttttg tggagcaggc catacaattc tncgtagcag 360
 ctgctaaagc gaccattatt gataaggaga ggaaggatgt agtagataag ttactgctgc 420
 aaggtctgaa catta 435

<210> 27286
 <211> 413
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-038-Q1-K1-A4

<400> 27286

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 gtggatttgt tgagagaaca gttgaaaatt ttgtcagggg aggttgcggt taatacaagt 120
 gctcttaagc gcctcacaga ggaagctgga agaagcccaa agaacgagaa gattcagatg 180
 gaaatgaaga agaagaccga tgaaattaag gggaagcatc aacagatagc atctttggag 240
 agagagatag ctcatgcaac attaggaact caaggaaagg tcgatacggt agagcattca 300
 ccgtcttata atgaactact tgagcagctc aatgagaaat ctttagaact tgagggtgaan 360
 gctgcagata atagagtgat acangatcag ctgaatgaga agataacttg atg 413

<210> 27287
 <211> 433
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-A5

<400> 27287

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 agtgcaccaa gatcaactga tcgatggaac catagtggag gtagctcgct cgttggatgg 120
 cagcgtacgt ggccatcagc agcatgcagt cgtcgtcgta gcagagatgt cctagctacg 180
 tgtgtgtcat gcatcagact ggcacataat aaagaagtag atcatgcacc cactagtgat 240
 cacttcgtct agtgtccctc cgttcaatgt cgtcgtcgtc gtcgtgtacc ttacgtgaca 300
 tgctgtagca cgtacgctag cagagcagca cctcaatgtc cttggggttg ctttgctggc 360
 tctctgtttt cgtcttgtgt tgcttttaat actgcacaag gttctaaatt ataataatga 420

atactttttt tgt

433

<210> 27288
<211> 355
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-038-Q1-K1-A6

<400> 27288

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gagtatcata gatctcgaga gattgggtctc atcagctact gtcctgatg atatcgatag 120
ctctggcctt cacagctaaa tgcataattca gcaaatcaag gatcccagaa tagttctttg 180
gtttctgttt ttacttcttt tttctaggtg ctcatgtaaa tagtccttac aacttgtgaa 240
tgcgacttct attgctgtcc cctgcacaat ccaggggtca gaactgcagc gagcagctcg 300
tgcttgcata actatgacac ttcataatca tgtactcatt gtggtagatc ttgta 355

<210> 27289
<211> 213
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-F4

<400> 27289

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actccagttc gccccgcac gagggcgccc aaagccgaga agaagccgc ggcaagaag 120
ccggcggagg aggagccgc tgccgagaag gcgcctgccg ggaagaagcc caaggcggac 180
aaccctgtcc cagcaagctt gtcctatctg caa 213

<210> 27290
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-F5

<400> 27290

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cgggatgatc ttgacacgag acttctccgt gcaatgatca ccaagggatt gattgagcca 120
 atctccagcg tttttgtcaa tcttgtaaat gctgacttca ccgcaaagca gaggggagtt 180
 cgcatcactg aggagaggat catcttggac ggctcacctg agacgcctat cgactacatt 240
 caagttcaga ttgccaatgt caagtccaaa tttcctagtg cgatatctga gactggagag 300
 atcacagtgg aggggagagt gaaggatggc gttcctcatc taacaaaggt tggagcattc 360
 caagtggatg tgagcttggg aggaagcctg atcctttgca ggcaagttga tcagccaggt 420
 atgattgggt cggtaggaag tggcttgg 448

<210> 27293
 <211> 361
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-037-Q1-K1-F8
 <400> 27293

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 tgagccgtgg tggtagtgcc tgttgtggc aaagtctctt gggttatctt tctggaagcg 180
 ctgagccttc ataaccagca ttggcaccag ctgcaagcgc ttcacttgct gataaaccat 240
 ctcatgcata tactgattct gccaatcata ttgctgctta tgttaccatt catacctata 300
 actactacag gggttatttt atataacact gcctacttct ttacagactg ttctttatcc 360
 t 361

<210> 27294
 <211> 61
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-037-Q1-K1-F9
 <400> 27294

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 c 61

<210> 27295

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tatgggagga gacttggcct ggcaatggag gatgggctct tgatatcggg ggcccgggct 240
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tcaaccgctt catgtgggat tatgtcagac agacagatgc caagctactg ctgacgctac 360
ctctcaactt gccttcgatt ataatgacag acatacttac tattcgggtg ttaggattgc 420
taggagctat gtactctctt gccag 446

<210> 27298
<211> 453
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-G2

<400> 27298

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ggtgtgcttt ctggctacga ccagcttcag atcctctttt tcggaaagaa gtactgctcc 180
tgcggtgctt aaatggagaa aaatgatgac gaacaagagc agttcgcttc cggttcaacc 240
cagtcaggat ctggttaaag tttttgcctt tcatatcgaa gaaattaata atttatgtag 300
gagaattttt tcaacattcg tttttggcgg agacattgat cttaaaaaaa ctcgtaactg 360
tctactagg tgggtgcatt ggttcccaa acatgggtcat aggggtgtgtc taatctgccc 420
ttctgtgcaa ccgggcaatt tttcttacat ata 453

<210> 27299
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-G3

<400> 27299

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ggaggcattc tcaagttcgg cagcagcagc agcggctgcg gcgatccgga cgggtaccgc 180

acgacggaga ccggcgtctt ctccccggcg ttcgtggtgt acaacctcaa caagaccacc 240
 atgtacacct tctcatgctg ggtgaagctg gaaggccacg ctcttcatga acgagtacaa 300
 cgtcatcgag acctgcgacg accccttttt caccgtcgac acgtacg 347

<210> 27300
 <211> 354
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-G4

<400> 27300

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 catcttcaca ctgtttatcc acacggctcc actgatactc ttccttttgc cacgatgggt 180
 tctggatccc ttgctgcaat gtcagtgttt gaatcgaagt ataaagaatg cctcactagg 240
 gaagagggaa tacaactggg gtcagaagca atatgtgcag gtatcttcaa tgacttgggt 300
 agtgaagca atgtggatgt ctgcgtgata accaatggga agacagaata cttg 354

<210> 27301
 <211> 458
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-G6

<400> 27301

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 ttcaagaccg tactgcaaaa ttcaggaaac atgccaccgc gatagctgaa tgggataaga 180
 gaattctgca aaacagaaat gttcttatta ggcttgaggc tgagggtggct aaagtgtgtg 240
 aaacacaaac aggcttggag cgtaacttg aattgataga aactcatcag cgagaggtag 300
 acaaggctct acagagtatg gaagaggaag ctgaacgcgt attccaggat gaacgagtgt 360
 tacttcatga agatggagct gttcagcaa gagatactat gtatgaacaa gcagaagtgt 420
 tcgagcatta actgcaacat atgacagaac aagtaaaa 458

<210> 27302
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-G7

<400> 27302

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 tcgagggtga gggaaatgcc cggttggtccg cgcacccata atcgagggtca tccgagcata 180
 cttcatcatg tagatacaaa aggaagacag caagaagata gaagaggccc aaattgtttt 240
 tgggtctgtg ggagtcgtta gcggtgtgtg tattcaatta tgttcattct ctctaatacg 300
 tttgggtaag gttttttccg gcttcattac gttttggtct gcttgcccta ttgtaagtaa 360
 tg 362

<210> 27303
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-G9

<400> 27303

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 cgaatagact tcccatggca gctattctgt tgaggatgtg cgaaagggtgc actgcagagt 180
 ctgagaagtg agagaaataa atgacaagtg atgtttaccg ctcaccaat tttaaccaat 240
 gccacagtga tacgattatc tctgctaaag ggataattgt ttcaactaaa ccaagcacca 300
 cagttggagg tcaaatacctt ggaaggcaat attgtgaagt tattgtaact tgtgtgctaa 360
 aacgagattc aattttgcct cgccctgtag tgatgtctct gtggtgcttt tgtgactgat 420
 catctctgga agcttttgtg aatga 445

<210> 27304
 <211> 439
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-H1

<400> 27304

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cgaccggaag ctccgggacc tggggctgca gttccggccg gtcagccagt cgctttacga 120
cacggtgaag aacctccagg agaagggaca cctgccggtg ctccgagagc ggacgacgac 180
ggaggccgcc gacaaggatg ccccgccggc cgagatgcag cagggaggga tcgccatccg 240
tgcctgagag ggcgatgcca cacatgaaca caaagcagtg ttcatactgc tgccctgcac 300
ctgcacctgc ttcttccccct gctgtgtaaa caggcctgtg tttgttctgg ctgatagtga 360
tgtaccctta gaactggacc ggtatgggcc gtccctggaa ccatagcgag gtgattaaac 420
tgggtaatgt tggatgttc 439

<210> 27305

<211> 397

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-H10

<400> 27305

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acaaatattc ggtgtctctt ctttggtctg attaccagcc cagttggcgt tggagcaatt 180
tgacaacgaa ctctcgagga aggttaacga agttgtaaat gaaataagac gccagaggtg 240
ctcatacttg aggttaagac aatgcagaag gggatgaacca tctggtgatt tttccggtc 300
atttttagtg gaagacaagg cccctggcgt cttcttctac gtcgaagtgc tttggcatgt 360
tcacaggcca atcccaaggc agatgacctt gaggccc 397

<210> 27306

<211> 368

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-037-Q1-K1-F2

<400> 27306

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cacaagcaac gcttgaataa gtcttgcaaa ttcaacacag gttctacgaa agtggctttg 180
gctaataaac gactgcaatg tcgagaaacg acactaagtt ctttcagcgc tttccaccac 240
cgtcgcccaa cttggggccc ttggaaccct tctggaccgc accctttgtc tgcgtcttct 300
gggacttgct cacctncgcc ttcttcgctt tcttctcatc cttggtcttc ttgatgcgct 360
ccttgatc 368

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<210> 27307
 <211> 459
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-D8

<400> 27307

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ggatacagtg gttctccaag aaaggcgaga cagccaaggg ggaggagctg cttgatgtga 360
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<223> Clone ID: LIB3067-037-Q1-K1-D9

<400> 27308

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 taaactcaac taaaatgccca cctaatttca attt 214

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<223> Clone ID: LIB3067-037-Q1-K1-E1

<400> 27309

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 ttttaaatga cccatactta attcccccta attttaaatc aatagccctt gtaaaacact 180
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 cagaccacaa cctagtttta agtatccaca aaaaaatcat agtgggcaag ccacgtcgat 180
 ttaaccagc atggtttgat gagtacagtt ggattgaata tagtgagaag gtggatagag 240
 ctttttgtct ttactgctac ttgttagag attgtattga aggtcaggcc ggaaatgatg 300
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 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-E11

<400> 27311

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tctgtatcta atatagcatg aatcttaatt ccacttatgt actactccaa cttctgtagt 240
ctgtaaccac atggatctgc aaggaatact acatgcagtg ttaatcatga tcctccttca 300
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<210> 27312

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-E2

<400> 27312

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ccgcggcttc ggcttcgtca ccttctccac ggaggaggcg atgcggaacg ccatcgaggg 180
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tggcgggcgc cgtgatggcg gcggcggcta cggcgggtggc ggcgggcggt acggtggcgg 360
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caactccgac gggaactgga ggaactgagc ggt 453

<210> 27313

<211> 194

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-E3

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 gcagatcatc agcctcggta tgattgttac ctctgcatta atcatatgga aggggttgat 180
 agttttcaca gggt 194

<210> 27314
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-E5

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 gggcatgtca tcatgttatg ggaggatgat tattatgttg cttttttata ttaattctat 180
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 ctttatttct attatttatt atttggtttt ttaattttat tttttttttt tataattttt 360
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<210> 27315
 <211> 438
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-037-Q1-K1-E7

<400> 27315

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 gtccctcaggg ccaacgtcct gggcatcaac ctcaacctgc ccatcaacct cagcctcctc 180
 gtcaactact gcggcaggcg cgtcccctcg ggcttccagt gcttctgact atcacacgcc 240

catcgatcga tcgatctgga ggctaaataa tttctccaag ctgctagtat acgtacgtac 300
 gttgatatat atgatgtagt attatatata tgtccatgca tctngtncgc tatcgcatgt 360
 tgttgttgtt gttggtggtt ttcgatgata ctgtctctgg tataaatatc attattatta 420
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<210> 27316
 <211> 420
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-E9

<400> 27316

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 ccaagggtctt cttcgggtcc ttcgccggcg accagcagca ccaggcaatt gcacttgtgt 180
 aagaaatgga tgctactgcc ggttaattgc gatacagatt tatatggaca tagatattgg 240
 ggccatgtgt aagggcgga gctgttccta ccgcgtcaat aaggggagtc ctgctggttc 300
 taccaggaag atccgttcca cagcctctca aggtcggatg gcatctgaca cagctagggt 360
 aacgaatata gacgcatcaa agctgaataa cctgatcttg gcatcattca aactcttgct 420

<210> 27317
 <211> 449
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-F1

<400> 27317

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 aaactacagg aactggtctc actttcatat cagattagta ctgggcaatt tgaaggaatg 180
 caaccaatag gtgtgaagct tttgtgtttg ataattggaca agttcggcaa ggcagtagat 240
 ccggaatttc ctggccatat cttgctggaa caatttcagg cccaacttgt ttctgctgtt 300
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tctctgataa cacgcccgtt aagtgacat 449

<210> 27318
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-F10

<400> 27318

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caatggccgt catggcattc gcgggggatc aggcccagaa cttccactac tccccaatgg 180
gcaatgccac cagccaggct gcgaatgtga cgttcactgc acgcgctgag agaacacgtg 240
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cggtgattga cgatgtccgg gtatgggcat tgaacgccgc ggctgggttg aaggcaagta 360
ttggactggt tcttggcatt gttggtgtcg ttggcatggt gctgttctga aatctgaatc 420
tctcggtgcc agtggctcttg ggaag 445

<210> 27319
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-F11

<400> 27319

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tcttgtggag tttgtggact ctgagcaaat cgtcatttcg aacataacat ttttaaattc 180
ccctgcttgg agtatacatc cagtgtattg cagcaatgta gtggtccata gtgtcacaat 240
tcagacttca ttggatgctc cacttaatca tggaatcggt ccagattctt gctcaaatat 300
gtgcatcgag gacagcagta tcagtgttag ccacgacgcc atatcactaa aaagcgggtg 360
ggacaagcaa ggcattgctt tcgggaggcc aacctcagac atccacataa gcagactgga 420

<210> 27320
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-F12

<400> 27320

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aggaggacgg ggtgttttct tgcaatgagg tatgtggccg cacgctcgcc tgtggcaacc 180
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acgcaatccc cacctgcgat aagatatgcg ataagaaact gccatgtggg gtgcacaagt 360
gcaaggtaaa ttgcccataa ggaagatgcc cacctgtttt ggtgctcggg gag 413

<210> 27321
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-D7

<400> 27321

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cgtcaagaga gagcgcggtg actctccctt ggagcttggg cccaaggcgg aggatgtcag 240
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ctactatgtt ctggtgccta ttacatgtg gataaaggac cagatcgtgc caaaaggcat 360
gccaatctga gtgaaggga tgagctgcat ggaagagagg atagccaacg tctgaatttt 420
actcttctct atattagacg cttcctgcct gttttg 456

<210> 27322

<211> 443
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-C12

<400> 27322

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atgattactt gtggcatcgg tctttccgcc atttttcctt tatgtagcca tccatttttg 180
cttcttgctc cttggttttt cttgttgcat tctggtttga atacgtttta tattttttg 240
cacttctata atatagcttt caaacagcgc tgaagggtgt tctctactca aagatattcc 300
tgctaccaag gatggaaggg ttgattggtc acaggatttc ttctgcaaac cagcatttct 360
gacagtgtct ggacagctta atggtgaaac atatgcttca gctctatctg atatttacac 420
atttgggtcca acgttttaggg ctg 443

<210> 27323
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-C2

<400> 27323

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ccgtgacact gcaagttttg aaaactgaac tgtaagatgg catcagcaga gctttcccg 120
gaggaaaatg tgtacatggc gaagctcgcc gagcaggcag agaggtacga ggaaatgggt 180
gagttcatgg agaaggtagc gaaaactggt gactcggagg agctcactgt ggaggagcgc 240
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aaggactacc gtggcaagat tgaaactgag ctcaccaaga tctgtgatgg catcctcaag 420
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<211> 449
<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-037-Q1-K1-C3

<400> 27324

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tcgcaccttg cctccaccct cgcattccga tcaccgcgtt ccagctcctc tccgtctcgc 180
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gaagcacaag ggcgggggca agaaacccat caaagtgggtg tacatctcca acccgtgcg 360
cgtcaagact agcgcgcgtg gtttcgcgc cctcgtccaa gagctcaccg gccgcgacgc 420
tgaccctnc aagtacagcc ccgaggacc 449

<210> 27325

<211> 307

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-C5

<400> 27325

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa attacagaaa atttttttaa 180
aaaaaccttg ttataacca attaaataaa aattaaatta ttttcttttg taatctaatt 240
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<210> 27326

<211> 458

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-C6

<400> 27326

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cattgtctac gtcgaccgca acaataactg cacgcgctac atgaaggagt ctgccaagtg 240
gttgaaacag ttcaacgccc cgaagaagcc cagcaagaag attcttacgc cagcttagaa 300
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<211> 453
<212> DNA
<213> Zea mays
<223> unsure at all n locations
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gaaggggtctc cgtgaggctg ccaaggccat cgagaagcac gccgctcagc tttgcgtgct 240
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caagattgac tctgagggca aggcaaggaa ggttgtaggc tgctcctgtg tcgtcgtcaa 420
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<210> 27328
<211> 300
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-037-Q1-K1-C8
<400> 27328

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 ttttttgctg caacataaaa aatgctaccc aggcatagct gggtaccttt taactttctgt 180
 ttgtgggatt tgctagagtg atggtttcga tatatagggg gacttgaatg tctggaaaaa 240
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<210> 27329
 <211> 440
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-C9

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 <211> 452
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
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<400> 27330

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<210> 27331
 <211> 447
 <212> DNA
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 <223> Clone ID: LIB3067-037-Q1-K1-D10
 <400> 27331

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<210> 27332
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 <212> DNA
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 <223> Clone ID: LIB3067-037-Q1-K1-D11
 <400> 27332

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 gcggaagaca cacaaataaa cagagttctt gaagaacttt ctgctgagga gggaaatgag 180
 atgtgcattc tgtctgctga attacacctt tatgagcaag aggaattgag tttctttgat 240
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gaccaggcta tcattaaccc agaataaag tcttagacta ggaagcggc actagatgat 360

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<213> Zea mays

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<400> 27333

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aaaggaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaca caaacataaa aaaaaaaaaa 120

aaaaaaaaa aaaaaaaat aaaaaaaatg tactttctcca actaaagtca ccaactttaa 180

attcactgaa attgaactta aaactttttt tctggtaaaa ctatatcaat tcaaaagtca 240

atcgttttta aacacatttg cctgaaaaaa cctggcgtag caaaattaaa accctatcta 300

ataaaccttc tatacccctg cagatcctat attaaaaa 338

<210> 27334

<211> 339

<212> DNA

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gggcggtggc ggcagccggc ggcaggatct gtgcccgcat ggcgacgtcg aacacggcgc 120

ggatggagga cggctgctgc gacctgcgga gcaccatcaa gaagtggaat atcatctacc 180

ctgtctacct caactccaag aagactgtcg ccgagggccg tcgcatcgcc gctgccaagg 240

cctgcccgga cccacctgc atcgagatcg ctgactgctg ttcgcacctt aagatcccc 300

acgccatcta gttggataag gcgtaccctc tggattttt 339

<210> 27335

<211> 425

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-D6

<400> 27335

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tcttttattt atattttttt aatttttttt ttttattttt atttttattt ttttttattt 180
aatttattta tttattttttt ttatttttctt tatttatttt tttattattt tattttttat 240
tatttttttt atttatatttt tatttattta tttttattta tttttttatt tattttaattt 300
tattttattc ctttattttat ttttcttttt ttatttttat ttttttttct atttttttta 360
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<210> 27336

<211> 445

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-C11

<400> 27336

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gggtcttcgt cacatcacc gtccccctgc gctccccact cacccccacc tcctccgctc 120
tcgcaagcta gacaggtggg agccgccgtc gtcgtagatg tcgaaggacg gccccgactc 180
cgactcgttg tcgtcgtcgc agatatcgaa agacggccct gagtccgact caccgacgtt 240
gcagatgtcg ggggacggct ccggcgccgg ggacaggtgg gagccagatc tgagcggcgg 300
cagcggctga agcagcaggc gggcaccgcc ggaccaggtg ctggggaacg tgactcggag 360
gaggactccg actcgcgcc gtcataggtg tcggaagacg atccctgctg cggggactgg 420
tgggagtatt accctcaaatt tagcg 445

<210> 27337

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-A6

<400> 27337

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 ctgcaagttc gtccgggcca ccttcagcgc catcgctcg cggtactgcc ctctcttggg 180
 gcacgacctc gtgctggtct ccgcggtctt ggcgctcatt gcctcggcct ttgttctctg 240
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 ggggtcgagg atcgcgccg tagacagctc tccgtcgtag aagcaagcaa gcaagcggcg 360
 caacgggatg tctatgacta tgagtgaagc tgcttggtcg catggtgacc agagtttagt 420
 acagttccct tccatggcta tgtaaaatag tttcgggt 457

<210> 27338
 <211> 457
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-037-Q1-K1-A7
 <400> 27338

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 ggtccgagta ccaagcgctg cagcgctgaa gtatgagccc cgtgcggacg cgtgggcagc 180
 aaggttcggc gaggtcacgc atgtgagggtg ctgtccagca ttgagcagaa taatgcagaa 240
 tacttgcggtg atgagccatt gacggctgct tcgctgatca aaacacctcc gtgaacacaa 300
 acatgaggca cagaagaaat gatgaaaaat aaagggattg taacagtttt ggtgcctttg 360
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 tgtatgtcgc tgatcatgtg gcaatgttca atacgta 457

<210> 27339
 <211> 283
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-037-Q1-K1-A8
 <400> 27339

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ctggtgtgtc gctgcttgca ctcttcaagg agaagaagga gaagccaagg tcttagatca 120
ctttcggtag tcaagaatgg tgtaaactgc ccaaggctct attgtcaaag ttaaagttct 180
gctagcaact cagctgttaa atctgagctg tacctttttg ttaacattgt tacagtatta 240
cagagttctg tttccatttt gaagatatta atattgcac ggc 283

<210> 27340
<211> 433
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-037-Q1-K1-A9

<400> 27340

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tggaggggta aactgctaa tggtattcgt tacttccta ctcaggcttt gaactttgca 120
tttaaggact acttcaagag gttgtttaac ttcaagaagg atagggatgg ttattggaag 180
tggtttgctg gcaacctggc ctctggtggt gctgctggtg ctctctcttt gctttttgtg 240
tactccttgg actacgcgag aacaagggtt gccaatgatg cgaaggctgc caagggagga 300
ggtgaaaggc agttcaatgg gcttgtggat gtctaccgca agacactcaa gtctgatggt 360
attgctgggc tttaccgtgg atttaacatc tncgtgtgtg gaatcattgt ttatcgtggt 420
ctgtactttg ggc 433

<210> 27341
<211> 421
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-037-Q1-K1-B1

<400> 27341

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gacgcgacgt cgccgctgcc cggctggatc atcgagtcgc tcaaggcggg gcggtttatc 120
gacgcggccc acttctctgt ccccgcgggg cagtacgcgg tggagctggt ggccgggcgg 180
gagagcgcca tcgcgcaggt catccgcacc gtgcccaacc gcgcctacaa cctgtcgttc 240

gccgtcggcg acgcccggaa cggctgccac ggctctatgc tggtaggagc gttcgcgggc 300
 aacgtcacgc agaaggtgcc gttcgattcc gccgggaaag gcgggttcaa gacggcgggc 360
 ttcaggttcg tggccggcgg cgtccgcacc cgnctcacct tttacagctt ctactaccac 420
 a 421

<210> 27342
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-B10

<400> 27342

cggacgcgtg ggcggacgcg tgggcaccgc cgttggtgca gatgttgggg gacggctccg 60
 ggggggggaca ggttggattc ggatctgagg ggcggcagcg gcaggggagg gaggcgagcg 120
 ccgccggacc aggtgttgga gaacgtggcg tagaggagga ggactcggac tcgtataatt 180
 gaaatacgaa gggacccttc tgccttctcc gtaaagcagc gcgaccctgt gagccctcgc 240
 gccaaaggata gggagcaaca ggagaagttt ggcgggtccac gtcgacgaga gcaacagtgg 300
 tgagcctcgc cgtgttgtgt cccgtcttca atccgtgggc ttgaagattt cctgttcacc 360
 tgctgttctc tacagcacac tcattcctca acgtgcctct aattgatgca ggattatcaa 420
 caactagttt tggaaatctt gcaag 445

<210> 27343
 <211> 407
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-B11

<400> 27343

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 gtgacggaca tgggtctcgac catgaccggg gcaagacgca tggggaacca tgggtccaac 120
 tctcacaagg tcaggagtcc caggtcgaag tcggtgatta ggcgcctgaa cgcgcttact 180
 tcatgggcgt atcaggccgt gatctttcgg ctactagcac aaggttaggt gctcgcaggg 240
 cttctatacc ggcagtattc tctacgactc cgcattgctt gaataatatt tcggtgaaga 300

tcacgacgtc actttgcaat gctagatctg acttcactta gactcgactt atgagcagac 360
aagtgatact gggcatcctg aacaactact agctggagat gctgctg 407

<210> 27344
<211> 445
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-B12

<400> 27344

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tttgggtgcg cagcgaaata agaatgatg tgagaaacct gaaagtttct tgcgtgggta 120
gaggactaat gggttatctt ggaaataagg gttctatata cataagcatg tctttgcacc 180
acacaacctt ttgttttgct tgttgctatc tgacctctgg tgaaaaggag ggagatgaac 240
tacggaggaa ctctgacgtt atggaaattc taagaaagac tagatttcca caggtccgtg 300
gtgctgctga tgtcaagtca ccagaaacga ttcttgagca tgaccgtatc atttggttgg 360
gggatttgaa ttatcggatt gccctatcgt actgctcggc aaaagctctt gtcgaaatgc 420
ataactggaa gcaactgtta gagaa 445

<210> 27345
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-B3

<400> 27345

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agggagaaca gggattcacg agaagctgtg gccacgatag aagcagggtc tgctgcgatc 120
gggtgaagga cattcaaatg atgttaccag ccaattgcca actgaaacca acgtcctgga 180
tcaatagcag gaatcttgtg cccaatagtg ttgcttgga acaaaactga tgctcctcgg 240
gctcaagcct agtgtaggct gcattattca aaggcgggtat catatcattt ttattcctcc 300
ccccacaaa attcttgga gatgtcactt ctgattttgg aagctcatca tatgagttag 360
tgcggtggac tttgtagaga caaagtattt tgaaaggatg ctttgtcatc 410

<210> 27346
<211> 460
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-B6

<400> 27346

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aatcatctct gctagtatag caggtgatat ggttcttgct tctgcttact cgcattgagtt 120
gccacgatat ggtcttgaag ttggtctgac caactatgca gctgcctact gcactggcct 180
tctgttggtc cgccgtgtgc tcaagaccgc tggtttagat aaggaatatg agggcaatgt 240
tgaggccact ggtgaggatt tctctgttga gccagctgat gagaggaggc ctttccgtgc 300
tctcttgat gttggcctta ttaggactac gactgggaac cgtgtctttg gtgcctcaa 360
gggagctttg gatggtggcc tggatattcc tcacagcgag aagaggtttg ctggtttcaa 420
gaaggatgac aagcagctgg atgctgatat ccatcgcaag 460

<210> 27347
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-B7

<400> 27347

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tgcattgacta acttcatgtc atctcagaa agcccttcaa gtggctgcaa gtcagtcttg 120
ttgcacacaa tgaccaaagg cttattcata aacagagact ttatactgtg gaagagtgca 180
gcttgctgag cgatactgta ccacaagat ccagaaatgt ccagaaagaa caacactgca 240
gccctcaagt gtgccagcgc agtgatgcta cacatttcta tgatgttcct atcttcaaaa 300
ggccgggtcaa gtatacttg tgtgtcaatc acttggtagc gcaggactt gtaattctgtg 360
tggccaacaa acagggattt tgttgtaaag gcatatggct ggacatccac atctgccctt 420
gtaaccttgt tcatgaacga actcttcccc acatttggga 459

<210> 27348
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-B9

<400> 27348

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cgccctgcaa tccgcgcgct tttcgtcggg tgggtgcaac gaatcgacca tgcttcagga 120
agctttggct ttaagacgaa ggtatacgtg atatggaaat acaacccgaa ggtaggatga 180
acgagcgccg aagctgtggc tgaaggagct ttggcttagt atgatgatga aggtggaaga 240
tgaaaccgac ctaaaaggga aaagactact cagcccttga tagctcacct tatgattagc 300
agtaaagtgc agggatatga atgtaagttt gtccgggttg cgtcccgtgc ctataaatag 360
atgaacagta acaccgtact gttcacgcgg cattgtaatc ttgcgtcact ctgcgatttt 420
cacgttctag caagccgaag gtattaatgt 450

<210> 27349
<211> 446
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-C10

<400> 27349

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cgtggcccaa gccccgcggg cgccctccca aggtcgccaa gacctcgtc aaggcctccc 120
ccgccaaggc agccaagaag gcggctgctc ctgccaagaa gggaaaggca gcggcggctc 180
ctaagaaggt ggcaaccccg aagaaggctg ctgctgctgc cgctccggtc aggaagggcg 240
tggccaggaa ggccaagaag tagtctgccc gccttgctgc tggcgagatc cccccctcaa 300
ttccgcctat agattcccct ctttcatgga ttttgatcca atcgtaatat tgtcagtagc 360
tctagattcg tcggtagctc cagcatgagt gtcggtggta gttctgtgcc tgtaaaaact 420
tgggatggtt gatcgctgtg gatcag 446

<210> 27350
<211> 456

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-037-Q1-K1-A5
 <400> 27350
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 gggatgtgca tcgccaggat aaatcttctc gcgcagtccg ccctgttcgt tctcacggag 120
 aagaggggtgc cgcagcgggt gcttgagatc gcgggggtcg ccacattctg ggcttggtac 180
 ccgttgctgg tggcttccct gccgaattgg ttggagaggg tcgcgtttgt gcttttcagc 240
 ttcaccatct gcgggattca gcacgttcaa ttctgcctga accacttctc gtccgacgtg 300
 tatgtcgggc cacccaaggg caatgactgg tttgagaagc agacggcatg cacgctcgac 360
 atcctgtgct ctcttggat ggattggctc cacggtggcc tgcagttcca gattgagcac 420
 catctggttc cccgactacc ttggtgccac cttcgc 456

<210> 27351
 <211> 121
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-036-Q1-K1-G7
 <400> 27351
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 acaatggggt ccctgaaggc cgcgaagccc atcggagttg cggcgcattg caaggagccg 120
 g 121

<210> 27352
 <211> 470
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-036-Q1-K1-G8
 <400> 27352
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 gacgcagagg cgcgggcgct cgcaccacca cgaccacgac ccgatggctt tcatgcgctc 120

ccgctcaaat gcatcttctg gcatgggagt tgctcctaac attagggaga cattcgttga 180
gcttcaaatg aagaaggcat tccgatatgt tatcttcaaa atcgaagaga agcaaaagca 240
ggtgggttggtg gagaagacag gggctactac tgaaagctat gatgattttt tggcctctct 300
cccagagaat gactgccgat atgcgctgta tgattttgat tntgttactg gggagaatgt 360
gcagaaaagc aagattttct tcattgcctg gtcccatcg acatcccgca tacgtgctaa 420
gatgctgtac tccacgtcga atgaccgcat caagtacgag cttgacgggt 470

<210> 27353
<211> 437
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-H10

<400> 27353
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gggcgggttc gtgggtgagc ggatcgagat ggcggcgtcg gatgttgagt accgtgctt 120
cgtcggcggc ctcgcctggg ccacggacga ccactccctc cacaacgcct tcagcaccta 180
cggcgaggtc ctcgagtcca agattatcct cgatcgggag acgcagaggt cccgcggctt 240
cggcttcgtc accttctcca cggaggaggc gatgcggaac gccatcgaag gcatgaacgg 300
caaggagctg gacggccgca acatcacctg caacgaggcc cagtcccgcg gcggccgtgg 360
aggcggcggc ggcggtacg gtggtggccg tggaggcggc ggctacggcg gtggcgggcg 420
ccgtgatggc ggcggcg 437

<210> 27354
<211> 447
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-H11

<400> 27354
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ccgcggagag cgatggcgac ggagctgacg gcggcgagc tgcgcgcgta cgacggcacc 120
gacccgtcca agcccatcta cgtctccgtc cggggcaagg tctacgacgt cacctccggc 180

cgcggtttct acggccccgg cggcgcttac gccgttttcg cgggcccgcga ggccagccgc 240
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gacaaggagc tcggcgctct cggcgactgg gagatcaagt tccaggccaa gtaccccgtc 360
gtcgcccgac tcgcccncga cgctgaact cgtcagtctc ggtctaaatt tactctgtcc 420
tgcctcttgc ggtgttcagt gctgtgc 447

<210> 27355
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-H12

<400> 27355

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tgggctgagc catacctcct cccaacaatg tcagcaaaac catcgccacc gctcatcatc 120
gacaaggaga cgatcccgat gggggactca cgccagaaga ctaaaacgct gaacagcagc 180
accaggacat aatagagtgg acctctcagc aattcctctg gttttccttc acgtgtcact 240
gattttacca gagcttcac c agtgtagaga cggagtccat atatcagaag cctcatggag 300
ttcaggaacg ggacaaccgc ggcgaaatac cgtgcttctg tcgaattgct gaacaagggc 360
caagatgaca tgaacaggac gccggatagc acgtgcacaa c 401

<210> 27356
<211> 163
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-H4

<400> 27356

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tgatctgctg ccagaatgcg ggcacactgg cgctgtaggc actgggcagg cccaacgccg 120
tggacgtgac catcccagag gtgtcgccag cgcttctcga gga 163

<210> 27357

<211> 266
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-H6

<400> 27357

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cgtacccgca gctcttggcc tcttgccgtc gcaccatgcc tgcgcgtccg actcctgctg 180
cgcactgacc ctgcccgtcc cgcccatcta gaggacgaca gcgcccgcct gcgcccgtta 240
cgcagcctga tcgcgcctgc tcttcc 266

<210> 27358
<211> 260
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-H8

<400> 27358

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ttgtgattcg taaaattctt tggttggtgc aaaatagaat ttttctaaat aattaaatat 120
ttatattgtc aaatgaaagc accagcaatg gtacctccat gttcatgttt ataattatct 180
gtgattctta catatttcaa ttactatgct tatttggttaa ggttaagaag tattatcatg 240
tgacctgcct tttgtccacc 260

<210> 27359
<211> 198
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-H9

<400> 27359

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tgtgggggtt ggctgcagtg cacgctatta ctccatggct gatggacaga gctacgtcga 120
gaagcatctt tttggatatc caaaaagagc tatcctttga cgaccgggtc aaatccgact 180

<210> 27360
<211> 210
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-A1

<400> 27360

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aaaaagagaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaatataaaa aaaaaaaggg gtaatgagaa 180
aaatcaaatg aaaaataaaa aaaaagagaa 210

<210> 27361
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-A10

<400> 27361

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ggtgacggtg cgcggccgta cgggtgtcac cggcgtgccg gacaacgtgt cggcggcgca 120
cgcggccggg gcggggctcg tcgacggggc ctctgtcggc gccacgccg gcgaggccaa 180
gagccaccac gtcttcacct tcggcacgct ccgggactgc cggttcctgt gcctgttccg 240
gttcaagctg tgggtgatga cgcagcggat gggcgtctcc ggccgcgacg tccctctgga 300
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ccccgcgtac gtggtgatgc ttccgtgct ggaggggcag ttccgggcgg cgctgcaggg 420
gaacgaccgc gacgagctgc 440

<210> 27362
<211> 436
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-A11

<400> 27362

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agaaactgga attggcacgt ccattgccat agctggtgtt gctatgtact cttacattaa 120
ggctaagatt gaagaggaga aaaggaaaaa gagcgcata ctgctgtgaa taatattatc 180
gggaccttcc tcggacacaa catcgtcgac aatcacgacc tacttctata ccttggtttg 240
ttttcatctt gagtcagtcg gtccattggt tgatcccagt ctggtgatta aaagtctgca 300
aattctgttt gtggaattgg cagcgatata aatttggtt ctttaagtaa atccggttgg 360
cggtacacag cggtattaat tcacctgtaa ctgaatggaa taccgtaatg caaaaggcac 420
aacactctgc ctgact 436

<210> 27363

<211> 442

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-A12

<400> 27363

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gaggccacca ggaggaggc gcgcggaggc tgatcggcat cggcatcggc cccctcacc 120
tgtgtgtgtt cttccccggg gaggagattg atctgccttg ccctgatctc gtctggttgt 180
acgaaacata tgctgatctg agtggcccca actccccag cacacacttg atccaccacc 240
caccagctc cctgccttgt acttgcattg tccttgctgt gtgtgtgtgt gttcagcaca 300
cacttgatcc accaccacc cagctccctg cctggtactt gcatgttcct tgctgtgtgt 360
gtgtgtgttc agcacacact tgatccacca cccaccagc tccctgcctg gtacttgcat 420
gttccttggc tgttgtgtgt gt 442

<210> 27364

<211> 344

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-A3

<400> 27364

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 tgatcttggt atctgtacca tctcagcatc gatttcttga aactcctaac ggaaaaaaaa 120
 aggaatacga atgggtgtac aggtttcaga ttttgaatta tatgattacg gtgtcagggc 180
 catggcatat tggatgcat ataaagacta catcatagag taaccagatg gtgtacatca 240
 tctgattacc gcaataagca gagcactaca tttgggagca atgtaaatca tgttacctag 300
 gattttgaaa gttgaagggg atctcaaaac agactagatc gcga 344

<210> 27365
 <211> 232
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-037-Q1-K1-A4

<400> 27365

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 ttacaagcgt cgccttattt ctacttgtaa ctcatcaata aaaatataac tcaaactctac 120
 aactcatact actttccaaa tcttactaca caactttaaa atgctaaatc tattttatct 180
 aacttaatgc catagtataa attcatctat ataatatctt cactatctac at 232

<210> 27366
 <211> 468
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-G5

<400> 27366

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 cgctcgggta ctttcttctc tataacataa atataatgta taactatctc tctcatatga 120
 tttatgttaa tataaaaaata tattacatgt acaaatatat taacttaatt agtttctctt 180
 aaattataat tagtagaatg aaattcaatt tcaacgaaac aaaccggggc caagagagta 240
 ttggactgta tggaaaacag ggggtgatgag aaatcctcaa gatctccaat ttttctctta 300
 ctgttttttt taaaatgtat gtcaataata gtgtccatct tgggaatgca aactaaacgt 360
 tcaacaacat tctgttggtg ggctctgaag atataagctc atatgttggtc tttatgattg 420

atagtcagtg ataacagttc tggagttggc aaatgcacat ttaaattc

468

<210> 27367
<211> 158
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-F1

<400> 27367

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aagaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaa aaaaaaaaaa gggccgatta ttaaaaag 158

<210> 27368
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-F10

<400> 27368

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ccatggcatg cgtcagcacc ttccagagct gccccattgc cagaagagca aagatcaaca 120
cgaggctccag gggctgcagc agtagcgtgg cgaaggggtc accaccacca gccttccagt 180
tccagtgcag ggcgtcgact ttcgcggcgg acaccagcct cgggctcgag ctggacgaga 240
accccgaggc gatcatctcg ggggcgtggc ccgggaactg ctccctcctc agctacgacg 300
acctccgcgc ctacctcgag tcgcaggaga cggcggccca ggcagacggt cagcagcgcg 360
gcgtggcgct cctgagcgag accatgtcca caccgctgct ggtggccaca gcagaccaga 420
ccctggagga cgtcgagtgc cacttcg 447

<210> 27369
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-F12

<400> 27369

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 taaattaata agaatctagt gacatttagt atcataaatg ttattatttt aatgtacaac 180
 ttaggttaga cttaatatTT ctttgactcc tcaagaaagt tggactgact taccatttag 240
 gatggagtat gatttatTTat tgtcttataa aagcctggat cggtatactc tgaatatctg 300
 agtacctaca tgatgagtat ttgtaagatg tgtgaaggtc gactgctagg tatacattgt 360
 cagtatgaaa tggctatcgt cttcagcttt ctttctctgt cagtggacag tgaaatatTT 420
 atacgatgtg ttaatgtgga ctgctct 447

<210> 27370
 <211> 470
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-036-Q1-K1-F2
 <400> 27370

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 tggatagctg atggactcgc ttccctaact caagagttgc catgtgtctt caagccgccc 120
 tgattagaga acccacatgg agatccaggc caagaatgac aacgtcttta cggacatggg 180
 gctaaccttc tagagcattg agaccatatg cagagaggtc cagatcaaga acgacaacat 240
 caagacggtc atggcgccac cttttagagc gttgacacca tagttggaga ggtttagtgc 300
 taggctagat ggggtgacat gagcatggct acagctgcgt tggggctgct ttattcttta 360
 tttctttaat cctctatagt ttctgacta aattaataat tcccatTAag attggagata 420
 aataaaccta gaacattaAA atatcttttc ttcacCAaaa ctcaatttaa 470

<210> 27371
 <211> 316
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-036-Q1-K1-F3
 <400> 27371

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agcagggtcc accgttccag agtagccaag cgaatcccgt gtctgggttcg cgcatgggt 120
gatgagcatt ttaacccccca tcaccagcat gcggaggaga gttagggttat ggttgagcat 180
cagcattcta ggagggtccc taatctgagg tacctggact tcgtccaggt ggctgttgcc 240
caggccgagg tgtgccttgc tgggtcttac tgccttacca aggaccacgc tggtcgctc 300
cgtcttagcg ttgacg 316

<210> 27372
<211> 273
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-F4

<400> 27372
cccacgcgtt cgctgacacg tgggcattta ctgncgacgc tgcagcagga agccaaatag 60
gagagggtcc atcgagtcga ccaccgaaca cggtagggc cgctgggctc gccgtggcca 120
cagcttatga attcaattcc cactcctta ccggcgcccg ctggattata aatagattcc 180
ctcgctactg tcgctgtctc ggctggatcg gattcaactc acctaccca ccctctcgat 240
atcttcccag ctttggttac tttctacgcc acc 273

<210> 27373
<211> 473
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-F5

<400> 27373
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agagagcatc aaggaaatca tcaatgagga gtttggtgat ggaatcatgt cagccataga 120
cttctattgt tcaatttgcc aagggtgaag gggccgacgg aaaagatcgt gtgggtgtca 180
catttgatgg gaagtatcta cttacactg aacagaaatc tgaacatatg atgtctaggc 240
ctacccgcaa gacatcttga tgtggctggt gaggaggaga aacatgatcg tagtggtagg 300
tatcgggctc agcaaggatc gagcatgcc ttttctttgg gtagtccata tcatcaacac 360

aataaacaga cctatatattga tgataactgt caaaaggaac attaaagtca atgttctacc 420
 tggcatgatt gctggactgt attggatgat gctgagataa aaagagagaa aaa 473

<210> 27374
 <211> 466
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-036-Q1-K1-F6
 <400> 27374

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 gttagctata attgatgttt agtacatata gtataaaagg caaggTTTTT gttacaaaga 120
 aaatactctc tgtttgtgtg tgtgtttgct taagtgttat ggattattca ttttttgtaa 180
 atttagtgat atttttatTT gacctgctgc acacctagct aatagttcat ttctctgttg 240
 gcatagcaag aagtgggtaca cagggttgcatt ttggacaagg aaactcttat tatgcaagaa 300
 attttcccat gcccaaaaag gattcttcag cagggtggagc ttcgaagtta ccaaaagaat 360
 atgcagaacc atgggactat agccatgatt atcctgttac tctcccacta aggaagccct 420
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<210> 27375
 <211> 442
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-036-Q1-K1-F7
 <400> 27375

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 caagaaggca atcaacgaag ccgacccgtc caaatgtac agaattacat acatattctg 180
 cttcaaacga tcgaagccgc tgtacagctc actcaaggga ggtcctggca ggatcaccat 240
 ggactgacag ccggcaatag catgccttgt ttttcatgta tgtagtgtaa tggccagtgc 300
 atacgaatga tgaattcgat tctgaatcct gctcctgcat taaattcgag tgcattgaat 360
 atctatactt cactgttggt ttacgacca gcgtgtactt ttctggcaaa aatctaggga 420

<210> 27376
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-F9

<400> 27376

caaagaattc cctccccctag ccgcccgcgc cgctcgtctc cctgagaggt gccgggaccg 60
aggaactggc cgagttctag gtagagaatc ggttttgctt gtctcagcac ggggtctgct 120
gcgtctggtg gtggtgaagg ggagaaattc gtgagatctg ttccggatca ggcgtgag 180
ctcgggaatc aggggtttca cacatagctt cgtcgatttg aatttgatgt actaatggag 240
tctaagggtg gcaaaaagtc tagcagtagt cgttccatga tgtatgaagc tccccttggc 300
tacagcattg aggacgttcg acctgccgga ggcgtgaaga agttccagtc tgctgcttac 360
tccaactgcg cgaagaagcc atcctgatat cccttttggc ttctcattc tagtagttta 420
ggatttcttt tctgacactt tgattct 447

<210> 27377
<211> 380
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-G1

<400> 27377

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agtcgtccga tggcatggag tcaccgagga ttgaggtgac agcggagggc aaggcccagt 120
aacttgaaag gtccccgcga agtcccatcg gtgaaggctg acgttggtggg aaggggcatg 180
gacatgctgn tgttgctttt atgttatgtg gcggctgcag cgtggaaccg cactaataat 240
gtggaccgga acctctgtta ctgtggtttg tgctgtcgcg tgctaggttt atgctgaagt 300
ggattccttc actccacaca ccgaactgtc tggtgtacat cacgccggtg gtctcgtctg 360
tctgacttcg ttacatggat 380

<210> 27378
<211> 137
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-G11

<400> 27378

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gtccgtttat gtaccagctg ttgtatgcga atccatctgt gccttcatca cctaattgcac 120
tctctgttgc tgctggc 137

<210> 27379
<211> 380
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-G12

<400> 27379

cccacgcgtc cgcaccatca agatcgatct ggagaccaac aagatttgtg cgttggcctt 60
ggggagcggg tcagggtagc ggatggtgcg gccaacgaca ccatcaagat cgatctggag 120
accaacaaga ttgtggactt catcaagttt gatgttgga acgtcgtcat ggtgactggt 180
ggaaggaaca ctggccgcgt ggggtgttatc aagaacaggg agaagcataa gggcagcttt 240
gagaccattc acgtggagga ctcccttggc caccagttcg ccacccgtat gggcaacgtg 300
ttcaccatcg gcaagggtaa taagccgtgg gtgagccttg ccaaaggcaa gggaatcaag 360
ctgagcatca tagaagagca 380

<210> 27380
<211> 62
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-G2

<400> 27380

cccacgcgtt cgctaccctg ctttgaaaca taaaaggatg attaccatgc cagcaatctt 60
gc 62

<210> 27381
<211> 379
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-G3

<400> 27381

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ggcctttgct attcttgggg gagcattcct ggccaactac ttgtccgaga agctggtttg 120
cttgtagga gtagtattat ttttgctctt tgctgctgta ttgtcttttt ggtgtaattc 180
taatctatct gaagaatttg ctagttaggg gaaagacctc atagttccag tttggtctta 240
gattatgaag atgaggggca aaccaagta ggcttgagac atgctggatg tagatagacg 300
ttatacttat cagagatgat ttctatgagc ccaaatatct accagacaga ctggaaactg 360
catcacatgg acagcctac 379

<210> 27382
<211> 118
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-G4

<400> 27382

cgccaagcgt gccttcgtgc actgatatgt ttgcnctgc tatagaagtg gtggctactg 60
aggtggctgc agctactgag gtggtggcta ttgtggtagc agccaaagct atgatgct 118

<210> 27383
<211> 451
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-E9

<400> 27383

cggacgcgtg ggtaatggta gtcttgaaga aaagatcaaa gaactcaagg ccgagaagga 60
tgagcttcgg gatgagaagc aaaagctgaa attggagaag gagagttag aacaccagat 120
gaagctgatg acatcgactc caacctacat gcctcatccg accttgatgc tggcgccttt 180

ccctcaggca cccctagcgt cgttccatgc ccaggggcaa gctgcagggc agaagctgat 240
 gatgcccttt gtcagctatc cggggtagcc aatgtggcag ttccatgccg ccttcagagg 300
 tcgacacctc gaagaacagt gaagcgtgcc ctgctgttgc ataattgctt cgactagcgg 360
 ctggtcctgc tcacaccatg cgaattagtc gcaactgaag cccccctagc tgttgatcca 420
 ttgattggct ataactgatg ttgttatatt t 451

<210> 27384
 <211> 188
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-C8

<400> 27384

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 gtgaatatga tgcttgtgct tcgaactggg ctgcactctg aggaccacac tcttgtttgc 120
 attgtcattg agtatacctg caaggagtta ctggacatct gcatagtgtg cgtctgttac 180
 aagatgag 188

<210> 27385
 <211> 438
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-036-Q1-K1-C9

<400> 27385

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 gtgatagggtg gggtgacaag ggtttctaca tccagccaac gattttctca gatgtccagg 120
 acggcatgaa gattgctcag gaggagatat ttgggcctgt gcagtcgac ctcaagttca 180
 aagacctcaa tgaggttatc aagagggcaa acgcgagcca gtatggattg gccgccggcg 240
 tgttcaccaa cagcctggac acggccaaca ccctgacgcg cgcgctcaag gccgggaccg 300
 tctgggtgac ctgcttcgac gtcttcgatg ctgcgattcc gtttggcggg tacaagatga 360
 gcggcatggg gagggagaaa ggcgttgaca gcctgaagaa ctacctgan gtgaaagcgg 420
 tcgtcacccc aatcaaga 438

<210> 27386
<211> 228
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-D1

<400> 27386

gtgaggaaac cctagcgacc gaccatggcg ttgctccgc gcaccgcgcg gctggccctg 60
ggttcacccc cgcgggcgta ctccgctgcc gctgctgcgg gcgccttccc gacgtcccca 120
gcgccatacg ggggcgctcc cccaccggcg atgtctaaga ctgccgagtt cgtgggtcttt 180
aaagtggact acctgatgaa ctgggcgctg tagggctcga tctggccc 228

<210> 27387
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-D10

<400> 27387

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gggtgtgaat gccacgaacg attccgcccc gccggccagg tgagagatga gcctcacggc 120
ggccttcctg gccacaaaa tcccgcgcg tcttctcca aagtgcggtg agcctgccgc 180
ctctctctcg gcctcggcgt ccggggatcc gccgcgggg gccgcgaaga gtactaaggc 240
gccgcgcgcg tgggtgctgt accttatagc ctcatcccg atccgccgca cgtacgtcgg 300
cgtcaccacc gatttcctc gccggctgcg gcaacataat ggtgagttaa aagggtggtgc 360
aaaagcttcc tctgccggca ggccttgaa tctcgcatgc cttgttgaaa gatttgccaa 420
cagaagtgaa gcctgtgagt ttgaatcgaa at 452

<210> 27388
<211> 433
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-D11

<400> 27388

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tcgagagtta aatatgctgt gatggatggt cccatcacct taccttcgtt gaaaccagct 120
tttgacaagc ctaaccccaa acaaggcatt ggtatgctgt catggagcag cgacagccac 180
tatttcttca ccaggaatga caacatgcca actgttctct ggatatggga tatatgccgc 240
cttgagcttg ccgctgtgct cgtgcagaaa gatccaatcc gtgctgcagc atgggaccct 300
acctgcacac gccttgtttt atgcacagag agccctcact tgtacatgtg gacgccatcc 360
ggtgcctgct gtgtcaacat ccnctttctg aacttccgaa tcgttgattt gaagtggagc 420
tcgaatggga gct 433

<210> 27389

<211> 234

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-D2

<400> 27389

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agatgaggcc atccaaatta taaacagaaa caagtatggc aatggtgctt ccatatttac 120
aacatttggc gtctctgtca ggaaatttca aacagacatt gaatcttgtc aggtgggcat 180
taacttgcct attttagtcc ccctgccggt cttttccttc acgggcagca aagc 234

<210> 27390

<211> 418

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-D3

<400> 27390

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gaggaagaaa tgcctcatgt tattagtgtt acaccagaca tacaggaggc cattggacgg 180
gaatgagggg ctatctgcaa actatcttct tgagcaagct ggtgaggaag attaagccag 240

agtagttttc gtatgggtac aaacatagct ttgctgaat cgatgccagg caaatgcaga 300
 atgcttggtgta gccgggtcagc gctatgtgta gaacacatac tccggagatg aacatggatc 360
 acgagaactg gaataattgc tgtcagccat ggacccatga catcggtgtg ttcgcgca 418

<210> 27391
 <211> 416
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-036-Q1-K1-D5

<400> 27391

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 ggtgctcaac atgcgcgtgc acggacggat cgccgtctgc gggctcatct cgcagtacaa 120
 cctgtcggac ggtgagaagg acgccgtgcg caaccttggtg gtcgtcatct tcaagcgct 180
 gcgtctgcan gtgttcacgc agcccgacca caagcacctc taccgcagc acgaggcgtg 240
 ggtgctgccg tacatcaggg acggcacgct cgcctgcgtc gaggacttcg tcctggggct 300
 cgagagcgct cccaaggcgc tgataggact cttgcacggt cgcaacgtct gaaagcagct 360
 cgtccgcgtt gccgacgacg agtgatgcgc gccttacttc gattggacca gacgat 416

<210> 27392
 <211> 453
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-D6

<400> 27392

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 gggtaagtc gagggccggg gaatcgccgg agaattgagg tgggcagggc tccgcgacga 120
 cgggtgtccc cagcggcggc ggctgcggct gtgccttcgc tgcttctgtt cgccgttcta 180
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 aagcacgcgt cgttcttcga ccgcgatggc gacggtgtcg tctccttctc ggatacgtac 300
 ggcgcgtttc gggcactcgg gtatggattc ggctgtcca gcgtcagcgc tgccctcatc 360
 aatggcgccc ttggtagcaa gtgcatacct taaaacgcaa cgtcatcgaa tttggacatt 420

tacatatagg acatccagaa aggaaaacac gga

453

<210> 27393
<211> 177
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-D7

<400> 27393

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cacgtaacta gctagctagc tagcagtcgt agaatgacga tgaggggtct ctctgttgcg 120
gtcgtctctgg tcgtggtggt ggccgcggcc tgtcttgccg cgccgcgata cgcgggac 177

<210> 27394
<211> 384
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-D8

<400> 27394

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gatcattggt cgtggacacg tacggaaccg gcgcgatccc cgacatggag atcctgaaga 120
tcgtgaaaga taacttctac tataagcgct gcatgatcaa tatgaacctc gaccttaaga 180
aaggcgggaa ctgtcgctac cttatgacgg cgggctacgg gcactttaag agggatgacc 240
tttacttgac ctgtgaggtg gtgaatcccc taaaggtaga aaatccgtgt tctagatgag 300
gtgctttcta tgttttgga gaagctnttg gtatggtctg tctgcgctct atcatgcttc 360
attatggctc ctacgtgttg tgat 384

<210> 27395
<211> 113
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-D9

<400> 27395

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cacatataaa aaaaacacta ccaattcaaa cacacaaacc ttcatacttt aaa 113

<210> 27396
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-E1

<400> 27396

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cctccgctgc gctcgtcttc tcatgcatgg gggcggcgta cgggacagcc aagagtggcg 120
ttggcgtggc gtccatgggt gtcatgcgcc cagagctctg taagaagtcc atcgtgcccc 180
tggtcatggc tgggtgtgctc ggtatctacg gcctcatcat cgccgtcatc atcagcactg 240
ggatcaaccc caaggccaag ccatactacc tttttgacgg ctatgcccac ctgtcgtctg 300
gccttgccctg tggctcttgc tggcttgctg caggcatggc cattggcatc gttgggtgatg 360
ctgggtgtcag ggcgaacgct catcatcctg agttgtttgt gggcatgatc ctcaccta 420
tttttgctga agcgcttggc ccttacggtc 450

<210> 27397
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-E10

<400> 27397

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acctggaagg tcagtcagaa attccgaagg acagtcaggg ttcagctgac aggagtggac 120
cgccaccagt tttagagca cagcccaaat ctaaaccgga actcccagaa aacgctggta 180
catcaggaga aggaacttct gattccattc gtactaaagg gcccaacgcc catccaaccg 240
aagtttctga aaaggtattg gctaaatcaa agcagcgtgc cagagccaga aggagattgg 300
attttctgtc aaccccagtg gagtcaaat tgtgcactgc tgcggcaagt tgtcaaaggc 360
ctccccagaa aatggatcaa ccgggtccag tggccgaaaa catctcttcg tcagatgcat 420

gtcaagacat ttcacagaat

440

<210> 27398
<211> 452
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-E11

<400> 27398

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tcggcatggg cacgcgggag gtgtacgagg agaagctccg cagcgggtgcg cacctccacc 120
gcgatccac catcaaccca ggccctcggct cgccccgggtg cccgcgatgc ctctccctcc 180
tcaacccac cgcgggaaag agggactggg ccatcacctc cgtcctgcac gacgccactg 240
ccgtggctgg ttccgggtgcc ggcgctttgc tcagtgtgtg gcacgggttt aacacaggga 300
tcccttttgt ccagaagcat gtcaaggggc cgaagtggct gcagttgctc gttgggggtgc 360
caccactgct gatattctca ggtgccagtg ctgtatttgg tgcataatgca cttncagggt 420
ttgttcagct cacagtgcg tcttactacg cg 452

<210> 27399
<211> 321
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-C6

<400> 27399

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gtgagagacg aaacgtccgt gcgctatgtg ccgctcacta gcaaggacgc ccagttgcac 120
gcaagctgag tgagctatca tgtcaaaaaa aaaagttatc ctgatttgac aaggtgaggc 180
attcaatcga atcgctaccc ttgtaaatgt attaataccta ctgtctcatt gaatgcactg 240
gcttggaat aatgtaaatg atggaacatc atggaacgtt tgtttccctt cagctgcccc 300
ggtgttctta cttactatgc a 321

<210> 27400
<211> 453

<212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-036-Q1-K1-E12

 <400> 27400

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 gttgggagag ctaatgcctc atctgatgga tggcaggatt ttgccagttt tgatcaagct 120
 cagagaatta ctaaagttca tgtggaagga catgttgtaa aagatccttc aggggctgaa 180
 actttggact tatgggcctc aagtcatggt aatgaaaaga accttgaaca gataagtgaa 240
 cataatgatc tattcgatga ctggcaggat ttccaaaact ccaatccaca gcaaacaacc 300
 ttacaagttt cttcagatgc ttcattatgt gatataacct tggcatcaag gcctgatgct 360
 tttggagagc aagaatttgg gagtggtttg caggtagctt catccgaaaa ctcaaaggat 420
 taaaaggagg gttctaata gaatcaaaagca ttt 453

<210> 27401
 <211> 134
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-036-Q1-K1-E2

 <400> 27401

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 ttttaatgag ttgggttgta ctcttttttc ctgtctaaaa aaaaaaaaaa aaaaaaaaaa 120
 aatattataa ttat 134

<210> 27402
 <211> 426
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-036-Q1-K1-A7

 <400> 27402

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 agccttccaa gcgggttgagg atccaagggc cgaccagtaa ggaaggctag cctctcggat 120
 gacttttggg gcacgagtg gcacgagatg gagaacagcg ggatccaatc gcagaggagc 180

atgtcttcga tcagcacgtt ggctcagtcc agcgatcagc atgcgtcagg aagttgcagc 240
aaccggaatg agtttatgaa tcaaggtctt atgctctgga accagaccag acaacagtgg 300
gttgaagca aaaaacgcca ctctagatct caacagctc gagaaccaa gttgagctgg 360
aacacaacgt atgaaagtct gctaggaagc aataagctat tctcccaacc gatacctttt 420
ggcaaa 426

<210> 27403
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-A8

<400> 27403

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gcctctggcc cactccgttg tcaagaagcg cctgtcgttc cccgtcgtcg agaagccaat 120
cgttgtgccg acagagaagc ccagggaaag agtgaggcgc cattccgacc ctccgaaggt 180
cgatcctgcg acgctcaagg atgcccctgc tgcctgacca gtgaccaggc cttatgtgat 240
tgtagggttt cgtgctcttt taacaccgtg atgtattatc tgagttaggt tgctttgttc 300
gtgtcatcgt atgatctgtc cgggttgatt gtgagacagt tctaactgtg ttacagaca 360
atgcgtgatg ctaaagtat gtgtgggtgg ttggctttca atgtactgat atgatagtat 420
ttgattt 427

<210> 27404
<211> 458
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-036-Q1-K1-A9

<400> 27404

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gttgagtcag aggggcaata atctgtctgt cgatttgact gtgggggaca tatatgggga 120
agaaggttac ccgaagattg gccttcacgc atccactact gcggctagct ttggaaaagt 180

gaactcaagc aaactttctg agtataaagt agaggatctt gctgcagcct tactgaattc 240
 ttccacatac aacattggac agatagccta ctttgtggct aatctttcag gcctgaagag 300
 aattttcttc cgagggtgctt atgtctgtgg tcatgagaag actatggaca agattttctcg 360
 ttccctaaaa tattgggtcca aagggtgaagt tcagacgaca tttctatgcc atgaagggtt 420
 cttgggaaca ctangtgcac tntggagtta tgagaaca 458

<210> 27405
 <211> 119
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-B1

<400> 27405

cccacgcgtc cgatcagagt gcgctatatg ttctaactcg aaaaagcttc cctatactct 60
 gcgcatgatc caagcccgaa agactgtttc aactacaatc ttatgatcag acactccat 119

<210> 27406
 <211> 192
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-B10

<400> 27406

aaaaaaaaa atacacataa acaaacacaa aatttaaaaa ctaaaaaaaa aataataaaa 60
 aaaaaaaaa aggtactaat attaataaat aataaacata aactacaaca taataaaaaa 120
 taaaaatcat atcaactaca aaccattcat tctttaacat cactataact atttgactc 180
 cttctcttat at 192

<210> 27407
 <211> 454
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-036-Q1-K1-B11

<400> 27407

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cggcatcgaa tggcaggagt aactccagga acccacagtc caggacacag aaggcgagc 120
 aggtctgcatc cgagaggtca tctcatcaa gtcacagcag cagcagcagc aaccacgact 180
 ggcgcgaagg gtctcgggtc cttgatctca agggcgagaa ctactttctc tgcgccgtcg 240
 ggaggaagcg gtctaacgcc cgctacttgc tgagctcgtc ggaggagggtt gtctccttcc 300
 tcaaagagtt ggcgacagcg acagctggct tccaggccac ctgtgctgac tacatgcatg 360
 ttcttgata ggcagtaaata agactgaagt tgaagcctnc gtgctttacc agagagaaga 420
 agaataattca ttcctcgat ggcgacaga gcta 454

<210> 27408
 <211> 454
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-036-Q1-K1-B4
 <400> 27408

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 gccgcgtgc tcggcgctcg cggcgcagc gcgcagcatg gcgtgtggag catcatcact 120
 cgtcccatgt tccagagcat gctgagccac cgcggcgaca gttgtgtcag gggcgcttc 180
 tacacctacg acgcgttcat cgaggccgtc agcaagttcc ccggcttcgg caccaccgga 240
 gacgatgcta ctgcgatgct gatgctcgcc gactttttca gccagacgta ccacgaaacc 300
 accgttggat gtgcgactgc tctgtggga ccgttggcct ggggatactg ccgggttaag 360
 gaacataacc cgacggacc accctacttt ggactaggac ccatacagct aactcatgag 420
 tacaactaca tgctcgccgg gcaagcgctg aacc 454

<210> 27409
 <211> 140
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-036-Q1-K1-B6
 <400> 27409

cccacgcgtc cgactagatc tagatctcga ggtccgtcct ttttttttta tatttatttt 60
 tgggtattttt tttttttttt tttttttttt tttttttttt ttttttttgt tttttttttt 120

tttttttttt tttttttttt

140

<210> 27410
<211> 461
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-B7

<400> 27410

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gggtcgtcgt cgtcctcgag ctccggcgag cgggcagctg ccgcactgct cgtggccgcc 120
gccgtggcgg tgtccgtcct ggtggtgggc gcggcgccgg agtgcgacat gagcaacgag 180
cagttcatgt cgtgccagcc cgcggcgccc aagacgacgg acccgccggc cgcgccgtcg 240
caggcgtgct gcgacgcgt ggcgggggcg gacctcaagt gcctgtgcgg ctacaagaac 300
tcgccgtgga tgggcgtcta caacatcgac cccaagcgcg ccatggagct tccggccaag 360
tgccgcctcg ccacgccgtc cgactgctag cagtgtgcta gccaagccaa gccaagcagg 420
aaggcccccg gcattgctag ctggacgtgt ctgtgtgtgc a 461

<210> 27411
<211> 314
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-B9

<400> 27411

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tggaaagttg tagctccata ttctgcagaa gatgctcgag gtttgctgaa agcagcaatc 120
agggatccag atcctgttgt gttccttgaa aatgaacttc tttatggtga atcatttcct 180
gtatctgctg aggtacttga ttctagcttc tgccttccga ttggaaaggc taagatagag 240
cgacaaggga aagatgtcac tatcactgca ttctccaaaa tgggtgggata tgcccttcag 300
gccgctgata tact 314

<210> 27412
<211> 445

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-036-Q1-K1-C10
 <400> 27412

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 gggaaggctg gattagtcag agagaaatca ttcggaacaa caaaggaccg gatgcttaca 120
 ttgagaagtg tgccaattct agagctgtaa ccattttcat ccgtggggga aacaaaatga 180
 tgattgagga gaccaagcgc agtcttcatg atgctctttg cgtagcaagg aatctgatcc 240
 ggaataactc gattgtgtac ggtggcggct cagccgagat atcttgctca attgctgttg 300
 aaactgctgc agatcggcac ccgggagttg agcagtatgc tatcaggtea ttcgctgatg 360
 cattagatgc tgttccacta gcgttggccg aaaacagtgg tttgtcacca attgatacct 420
 taactgcggt aaaagctcaa caagt 445

<210> 27413
 <211> 395
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-036-Q1-K1-C11

<400> 27413
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 gggtaactga aacgcatggg cacacatcca tgagtcccc accgctacat gcctcacgcc 120
 tcgtcactga gtcgtttctca gtcacgacat gctgatgtcg atccaccgt caagaacaag 180
 gtgcagcaga gatctttctc ctcgtcgtg ctctctcgcc atccggagat ggtcgtcgcc 240
 gcctaatatc acagcgggtg gaaggcacia cgctccccca tctctccgg ttctgcctgc 300
 tcgccagcac gacgcgacga tgccccctg acccccgcgc gcacagcctn cgctggagaa 360
 gcgacaacgc tctcgtctcc ggtctccatg agtca 395

<210> 27414
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-C12

<400> 27414

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atgatgcttc tgatatctca caggctgacg gtgtacaaca tgaggagcac tctagtatct 180
ctgatgggag tacagaaaag ctaatttctg aggaaagttc attagtatgc tatgggtgttc 240
ccagcaacaa aaaagacttg gttaatatag ctgttcaaga aagtaaagcc tttatcttaa 300
aaaatcctgc cttccaaatc ttggaagaga gtggccagg tttggatgta tctacagaca 360
gtgtttccct ttcacatgca gactcagctc ctgatttagc ttgtcagcat gtttctccta 420
atgttgaaga tacaacaagt tatgagcctg g 451

<210> 27415

<211> 464

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-A6

<400> 27415

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atccaccgcc ccggtcgtct cccggccaga tccctctcct gcaagggttc tttgcgagtg 120
gccggagaag atgatgggag gtttcctctc cagggtccta cggctggctt ttgtctatgc 180
ctatcctgcc tatgaatgct acaagaccgt tgaactgaac aaaccacaga ttgagcagct 240
tatatgttgg tgtcagtatt ggattttagt tgccctgttg acagttttgg agagatttgg 300
agattttaca atatcatggc taccgtttta ctcagaagca aagggtgttg tctttgtata 360
tttgtgttac cctaagacaa aggaactac gtatgtttat ggaactttct ttaagccata 420
tatttctcag catgagaatg aaatcgaccg aaatcttctt gagc 464

<210> 27416

<211> 388

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-C3

<400> 27416

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gggccttgct attacgtatc ttgcgctgtt cttgatggac gggcatggct aacctgcgtt 120
gttttacctt gtgccatgta cattgtgggt tattgttatt ctatgggtgg taataggtga 180
gctttatgaa ttatggaact tctgaaaaag tccagcagaa aattttgtca atgaaccatg 240
acaacaaaat ccattgaaga tgtattcttc agcgtaagt tataacttga ggatgtttat 300
taggaggcac cgtgtattgc aagattgtat gtttaccatt atttcataga aggatgctat 360
tgtgttttaa aaaaaaatg attataca 388

<210> 27417

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-C5

<400> 27417

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ggcttttgct tcgcggcgct ggcgactcgg tctcgggcgc ggcactcggc tgctccctac 120
tccaggagcc ggagccggag ccggaggcct agtagatgaa gacgttcgat ccgtggccgg 180
tcttctttcg ccgggagtgg aagcgcaatt ggcccttctt cacgggggttc gccatgaccg 240
gctgtatcat cactaatatg acggccaact tcaccgagga ggacctcaag aactccaagt 300
tcgtccagga gcacaagaag cgctgaccaa ccagtaatct atgacatgga cgccggatgg 360
cactggcaga gggatggtgt acggtgttgg ccgaattgcc tgtctggaca gccagttatg 420
ttatgctggg tgaatgaaaa attagcttct ttt 453

<210> 27418

<211> 456

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G8

<400> 27418

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cgctcacacc ggactcttct gcgagatcgc gggcatcagg catcactttg acatcaaagg 120
ccaagatagt tgcataattct ttctttctct caagcatgac actagccttc ataacatcct 180
tcttatgcac tggccctata ctgaaatcac agaagggaat attcacagca gggctcttca 240
agaactcagt gagagcttcc aaagacccaa gggtagatgc ctgtacatag acaccttcac 300
cactcctgtc aatccggctc ctaaccctgt tcatctcttt cataacagct tcattcagtt 360
tgtctaaatc atcatcaggt cctaacacgt aaagggctgt ccttgcaatt gcatgttcga 420
gaccctgagc agatattttg actccttgtg cgttct 456

<210> 27419
<211> 365
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G9

<400> 27419

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gggatgacaa agaaggacgg tctccgggaa ctcgaggagt ctgagattga tgagtatgtt 120
gccgagatcg aggcagagaa ggctgcagct gaggtgcaa agaaggggtgc ctggaagaac 180
gcctaatttc cgtcttctgt ctatggctcc cttcaaccct gtgtgtgtgt cccgttttta 240
tgttccatag caccatctta actgttctag aaggatgcta gatctttaag tgaaactacg 300
cttatatgcc tgtgggttaa atgatgtaca atgtgctcgt ctacatgcct tcttcggagg 360
ttttc 365

<210> 27420
<211> 413
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-H10

<400> 27420

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gaatccttga gcttgtgtaa gagctgtcta tgccacttgc tgctgtgaag tactcccag 180

ggacgttcat ctttctgat gcacagccag cccccacag gagcttctct gaggaagttg 240
 ctgcacttaa ccgctacttt ggcggcctga aatctggtgg taatgcttat gtgattggag 300
 atccagcatg acctgtacag aagtggcacg tcttctactc cacttagtac ccatagcaac 360
 caatggttaa ccttgagatg tgcatgactg gtctggacaa gaagaaagct tct 413

<210> 27421
 <211> 437
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-035-Q1-K1-H11

<400> 27421

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 tgtgacatcc atggccaccg ctgggaatcg ctggggcgta gtcattgtcaa ggaattcagg 120
 gttctctact caggtttag agttggattt cctgtacccc agcgagggca tccaccggcg 180
 ctgggagagc ggctacagga taacttccac ggcagccacc aacgaccaag ccgctttcat 240
 cctgagcatg ccgaaacgga agccgatgga cgagacacag gaaacgctgc ggacctnccg 300
 cttccccagc tcacacgtca aggagaaatg ggccaagaac ctctacatcg cttcgatttg 360
 cttcggggcg accgtgtgct gatcgcgcgc gcctgggaaa tggaaatcga aacgagggcc 420
 accgatccgg tacggtg 437

<210> 27422
 <211> 359
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-H2

<400> 27422

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 gcaatcgta tgaaagccga gtgatcacia tacttatgct gacatagagg cagcttacat 120
 gtgcctcata gagaaatttg gtgccaagga agaagaaata attctttatg gacaatctgt 180
 tggaagtggg cctactgtag atttgtccag tcgtttatct cagctgagag ctgttgcct 240
 gcatagtact atattgtcag ggctgatagc tttgtatcct ttgaatggca catattgggt 300

tgacaatttc aagaatattg atcaattact ctaagttaca tgtcctgtgc ttcattatt 359

<210> 27423
<211> 455
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-H3

<400> 27423

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ttagtatata tagttgcata cccacttgga tgatttagtt agtgaggaac acaagtgaag 180
atgagctttg cactgttcaa tgcttggtgct tggaagaagg atgctcttgc gcccgagtt 240
cattgttatac tggaaagtgg cttgctactg agcattctct tactacatga tgtaaattgt 300
gaatcttcat caaagctggc ttatggctga agagtcagta tcatagtttc ctttgatggg 360
agaagacagc aaagccagct aatctcttta accaagaaat cggctagtag ttttttcct 420
tttgaacctt gtcattgatgc cttgtcttct ggata 455

<210> 27424
<211> 452
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-H5

<400> 27424

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actacgcctt cttcaagggc aagaccctgg acgacgcaa gacctacgtc cccacggtcg 120
ccgccgcggt caccgatgcc accgagaggc tgatcaaggc cggcgccacg cacctggtgg 180
tgccggggaa cctgcccattg ggctgctcgt cggcgtaact gacctgcac ccgggcccga 240
acggcagcga ctacgacgcc gccggctgcc tcaggacgta caacgacttc gcgcagcacc 300
acaacgcggt gctccagcgg aagctgcggg cgctccgggc gaagtacccg caggcgagga 360
tcatgtacgc cgactactac ggcgccgcca tgtcctttgc caagaacccc aagcagttcg 420
ggttcacgca tgggcccgtg cggacgtgct gc 452

<210> 27425
<211> 452
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-035-Q1-K1-H6

<400> 27425

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ttgtggttgt ggtggcactg acactattga tcacactttt ggcaccgaca gtagatgcac 120
aaccatactc aacaatgcca cctagcatga taggagattt attgccacgg acgagagtac 180
ctccgtctgg gcctagccat cctccacca tggcggcgat gccaccatca tggagaatgc 240
catccgctgg acctatgaag cctncttcca tggcggcgat gtcacctgat gttgttgggg 300
atttgctacc acgaggacct agccatccgn caccaagggt agcgacgtca cctgatgttg 360
ttggggattt gctaccacga ggacctagcc atccgtcacc aagggtggcg atgtcacctg 420
atgttgttgg ggatttgcta ccacgaggac ct 452

<210> 27426
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-H7

<400> 27426

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tctaacctgg cttccggcat ggcttccaag cagatcggag tcttgacctg cttcattgcc 120
atcaccgctc tcgccttccg tccctgcgca tccgccgtgc ccatggacgg tggctggctg 180
aacggcggcg ccacctggta cggcccagcc aagggcgctg gatccgacgg tggatgcgtgt 240
gggtaccagg gtgccgtcga ccagcctccg ttctcgtcaa tgatcacctg cggcagccaa 300
tccatcttcc aggacggcaa gggctgcggc acctgctacc aggtgaagtg caccggacac 360
gcgtcgtgct cgggcagccc ggtgacagtg gtcacaccg acctgtgcc cggcgtcgcg 420
tgccaggtgg agcccggtga ctttgacc 448

<210> 27427
<211> 458
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-H8

<400> 27427

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aagaaaaaaa aatataaata aataatacta taatattaaa actaaaattt aactctaata 120
catattcaat attattttcc ttcttttatt cattatattt aatttatatt ttttctactt 180
tttatatatt cttctttttt ttatctcttt tttcttattt ttattttttt tttttttttt 240
ctatttttcc tttattttac tactttttat tttttaatat tattatttct tttttataat 300
atatttcttt taatatattt tttatttttt tcttatatta ttttcttttt attttttttt 360
atctatttta tatattaata tctttatatt ttttttcttt tttctatttt tttctttatt 420
ttttatattc ttttatctct ctttttttat tttttttt 458

<210> 27428
<211> 439
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-H9

<400> 27428

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atcctctgaa gattgtcatc aagacctgtg gcactaccaa gctcctgctc accattccaa 120
gaatccttga gcttgctgaa gagctgtcta tgccacttgc tgctgtgaag tactcccgtg 180
ggacgttcat ctttcttggt gcacagccag cccccacag gagcttctct gaggaagttg 240
ctgcacttaa ccgctacttt ggcggcctga aatctggtgg taatgcttat gtgattggag 300
atccagcaag acctgtacag aagtggcacg tcttctacgc cactgagtac ccagagcaac 360
caatggttaa ccttgagatg tgcattgact gtctggacaa gaagaaagct tctgtctttt 420
tcaagactta tgctgatgg 439

<210> 27429

<211> 357
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-A12

<400> 27429

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cagcgccatg acgctcttcg ggcgcgtgcc gcccggtgcc tccgacatcc tcgccaaggc 120
cttccgcatc agcagcggcg aggtggacca catcaaggcc aacttcgcgc ccaagtagag 180
atccaacgtc tgcattccct tgattttctc aataataaat ccccgcggtg tgcagttcga 240
tttgttcgtc ttcggttggt ttgcttcgag acattgctga ccacgcttgt cactgctaata 300
ttgtgcggag cggaggagtt gcttgtgctc cgataaataa gataaataat caattct 357

<210> 27430
<211> 372
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-A3

<400> 27430

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gggtcatccg agctggcagc atcagcacac gtactgagcc ctctgtact ccttggttat 120
gggtggtctt gagctgtcac aagccaagtt tcgctgctt gggctctcac tcgatgcaga 180
gtaagctgct cggattcagt agagccttta ccttgagcgc tgagagggtc ccaggcttac 240
aacatttaga gctttgcgtt ttaacatggt gcgtgatgtg ccagactgat gcattgtggt 300
ttgttttcaa tagtgagtta agatggcgga agctcaatcc tgattaactg acacatgata 360
acctaacaag ca 372

<210> 27431
<211> 121
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-036-Q1-K1-A4

<400> 27431

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gatcggcgga aaggttgccg tggctctgcg atacggtgat gtctgcaagg gttgggctgc 120
t 121

<210> 27432
<211> 122
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-036-Q1-K1-A5
<400> 27432

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cg 122

<210> 27433
<211> 452
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-035-Q1-K1-G7
<400> 27433

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ttcagaatcg agattccagt ctgtagccta ccttcagcaa atctggtggt ttgagggtggt 120
tggatgaagtc gatttctgct tccctgttgg aacatatagc ttgtacttca gggcccatct 180
tggaagttc tacagacgat ttggccgccc ccagtgcacc tcagagcatg ttcattggtg 240
ggacaagaag cctgttcgct tccagctatc gacctctgac gggcagcagg cattgtctca 300
gtgctacctg gaggagcccc ggagctgggt cctgtaccat gctggcgatt ttgtggcctc 360
aaagcctgac cagctgatga agctgaagtt ctccatggca cagatcgact gcacgcacac 420
aaaaggcgga ctgtgcatcg acttcgttct ta 452

<210> 27434
<211> 416
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F1

<400> 27434

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ggggtcgggt cccccagaga gcaggagccg cctcgctcct gccggtccc accatcgaga 120
cgatgctgtc caacctcatg taccggttcg actggcagct gccggcggcg atgaaggcgg 180
aggacgtgga catgaccgag gtgtttggga tcacggtctc gaggaaggag aagctgctcc 240
tagtcccaca ggctgcgtga tgatgatgat aatctagtgc aatgcaatac acggttttaa 300
attactaaca ccaaaggctg tgttactgga cttacataa taaataataa atgtgctact 360
actatatagc caggcttcac agtaacacat acttctattg cccatgctac atatat 416

<210> 27435

<211> 440

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F10

<400> 27435

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ggccacgaga aatcgatgct gatgactccg atgtggagcc taaaagcgat gacgagagcg 120
atgaagatga tgatgacgac gacactgaag ctctaattggc agagcttgag aggattaaga 180
aagaaagagc cgaggagaag cttagaaagg agcggcaaca agcagaagag gaggccaaga 240
tgaaggaggc tgaactgatg cggggaaacc cgttgattaa tatcaacaat gctggctcct 300
tcagtgttaa gagaaggtgg gacgacgacg tggtattcaa gaatcaagca cgaggagaga 360
ccaagacacc gaaacgggtc atcaacgaca ccatcaggag tgatttccac cgtaaatttc 420
ttcagaggtt catgaagtga 440

<210> 27436

<211> 169

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F11

<400> 27436

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tctggataga ggtaaaattt tacgcacgct cgcattgcgac gatatatctc ttatattgtg 120
tcccacatat aaaatactgt ggacggattt tcaaaacgat gactctgaa 169

<210> 27437
<211> 123
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F2

<400> 27437

cgcgagccgt tcaatcacia caattatcaa acagttaaatt cttaattctg aaatcctgac 60
ctcatagccg gggtcctctt cataactctgg catgccaaat tattcttaaa cgttaacttc 120
ccc 123

<210> 27438
<211> 342
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F3

<400> 27438

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gggcgcccc aagaggacta atgttcctgg gatgaagcag cgtccaccac gtgggtataa 120
tccataccat ggctaccctt atagatcata cggggcaccg tatttcccc catatgggta 180
tgggagggct cctagattcc gccggcctat gcgctacaga ccttacttct gaagtacggg 240
gtagggtaat gaagttcaat gcaaaaccag cccatgggtca ctggtcagtc ccggaataa 300
tcaactgtat cgtttgact ggtgcggctc aatgctcctg ta 342

<210> 27439
<211> 401
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F4

<400> 27439

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 tgctgagaga agcatgcttg tgaagctgaa gacagaatgt ggctaccagt ttacttcaaa 120
 gttggagggc atgttctactg atttgaagac ctctcaggat actacacaag ggttttatgc 180
 atctacttcc tcggagctgc cggcagatgc cccacaatg tctgtccaga tactcacaac 240
 tgggtcatgg gcaacgcaaa cctgcattac ctgcaatctc cccctgaaat tgtttctgtc 300
 tcagagaagt ttctggcctt ataaccttgg cccacataat gggcaggagg ctaacatggg 360
 aaaaaaacat tggggaccgg ttgcattaaa gttacatttg g 401

<210> 27440
 <211> 271
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F5

<400> 27440

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 acgcatacca tcaataccat gtaccagcat gactggcacc ttatttccac caatatggct 180
 atggaagggc tcatgaatga cgaggttcta agcactacct acctgaatgc cgaagtacta 240
 cttaggccac aagatgtcaa tggatgacga t 271

<210> 27441
 <211> 362
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F7

<400> 27441

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 ttactagaga tgggtgttctg agaactgatg tgaagacacc tagtaaggca tgagcaactg 120
 tggctcattc gatgagtga atgactacag tgggcaatac gagaaaggct atcactccaa 180
 atgcagctag aagtagcaag ctggaaacat aaagcaataa ctacagactg aaggacctt 240
 cagcattgga tagccactct actaggtcaa acagaatgga cttgcaagtg tctggctagc 300

agaaatcgag ttctgtgaac cttcctacaa ggaaaatfff cagttctact gctggagatc 360
ca 362

<210> 27442
<211> 224
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F8

<400> 27442

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cctgaattag ttatcccaaa aaaaaaaaaa aaaaaaaaaa ctacaaaaat actacaacat 120
aattaaaaaa aattcaccaa ttaaaaaaaa tcttatagat aatacaaaaa gagcttattc 180
attctactac ctttttaaaa aaaatatgat gccccacaa agta 224

<210> 27443
<211> 105
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-F9

<400> 27443

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aaaaaaaaaa agctaaaagc cggcactaat aatgatatta acttg 105

<210> 27444
<211> 288
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G1

<400> 27444

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cttggactag aaatagtgat gtgagtactg atgtgaagac acctagtaag gcatgtgcaa 120
cagaggatca ttcgattagt gaaatgtcta cagtgggcaa tacgagaaag gctttcactc 180
caaatgcagc ctagaagtag caagctggaa acattaagca ccttactcat actgaaggga 240

ccttcatcat tgaatatcca gcttactaag tcaatcataa ttgacttg

288

<210> 27445

<211> 434

<212> DNA

<213> Zea mays

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<400> 27445

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gatagccatg ccgagcacct cgccagaacc gtcgcagcag ccagagccca ccgtctccat 120
gaatccagcg gttccagctc cgcccaccca tgcagcgcgc ctggtccttg cctcgtcctc 180
gccctggccc caggtcgcgg ccaagtccgg cgagcctggc atcccgcgc ggggtgcacac 240
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gcgcggacag gaggccatgg cgcgcggtg agtgcccctg cgcagcggcg tcacgaccag 360
cccctttctt ctctgccata taccctctt gctgcaagtt gaagaaccgg tcatggagga 420
gaaaatagcc tgag 434

<210> 27446

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G12

<400> 27446

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agggccccag cgccgaccgg cgtcccggcg gctcgggctc gggggcgggg ctgtcgtccc 120
cgggcgctgc ggctgactgc ggcaaggaga ggtgtcacgg ggtgctgtac gacgacgagg 180
cgtggcggcc gtgcctccgg gacatccacc cggcgtggct gtcgcctac aggctcatct 240
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tctactacta cactcagtgg accttcattc tggtgactat ttacttcggg ctcggcacgg 360
ccctgtccat ctacggctgc agcagggtcg ccgaggagaa cgtcgccgcg gcggcgcgcg 420
cggcagaca 429

<210> 27447
<211> 347
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G2

<400> 27447

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gagacgacca tgaaggcgct ggtggtgacg gtgcttctcc tctctcttc caccctcgcc 120
gcggcacagt ggtgcgtgtg caggcaggac gcgtctcagg ccgcgctgca gaagacgac 180
gactacgcgt gcgggtcggg ggcggactgc aactccatcc acgagacggg ggcgtgctac 240
aaccccaaca ccgtcgcggc gcaactgctcc tgggcggcca acagctacta ccaggacctc 300
gagcgcggcg agctgcgccg tggcgcggct gagtttgcgg acggcga 347

<210> 27448
<211> 153
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G3

<400> 27448

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aaaagggaca aagagtgaag gcgctttagg ggatccaggt tctcgtactc tcttatacta 120
tatccaaggt acagtatagc gtatcctaac ttc 153

<210> 27449
<211> 298
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G4

<400> 27449

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ctgaaatgcc catagattgg tatatttgtg gaaatttatt tgccaactgt aagcccgctc 120
tgatgcatag aacatttgtg gtataagatt tttctgttga tgtttgcagg ttatttttcc 180

agcacttgac attcgagtga aaaatgtcgc aaggacatat tctcttgaac ataaaggaga 240
aatgatctc ttcgcacatc agacaaggct tctactcttt cagaggaaag tcattttt 298

<210> 27450
<211> 440
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-035-Q1-K1-E9

<400> 27450

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acctgccgga ggcgtgaaga agttccagtc tgctgcttac tccaactgcg cgaagaagcc 180
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gctccttgca ctctccctc ctccatctcc agcatttgtt tctgattcac ctgctccaat 360
ggctgntctt tctgctgctg atgcttcccc ggtctcagct atcggggttg agggctatga 420
gaagcgcctt gagatcacat 440

<210> 27451
<211> 374
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G5

<400> 27451

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ggccctacag gaagccgtcg aggcctacct cgtcggcctg ttcgaggaca ccaacctctg 180
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ccgctgcgag cgcgcgtatg cgtatctcgc gctcggcccc agtggccgcg gagggatgga 300
agaaggcaat ttgtaacctt atgctgtttg ttgcgtttta gacggcgtgg tgaagaacta 360
gtgtaaaaac ggct 374

<210> 27452
<211> 459
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-G6

<400> 27452

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tgtatcactt ctgaccttta ctctccgtgt acatcctgat cggcttgatt atgttgacca 180
agtgcgtgggt gcatgtgtca agaaactttc aggcaaggca aaacttgaag atagcagggc 240
aacaaagcaa attgttgacac ttcttagtgc tcccctggaa aaatatagca atattgttac 300
ttcattagaa ctttcaaact atcctcgggt tatggattat cttgataatg ctacaaccaa 360
agtgatggct gtggaataaa ttcaaagcat aatgaaaaac acaacctgca tatctacttc 420
tgacaagatt gaggcactat tcgatttaat taaggggct 459

<210> 27453
<211> 359
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D10

<400> 27453

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atgagccacc cggttattgc gacaactatt tggcttcagc gatggagaag cttgagggga 120
aaggagtcag atcagtggag aaaatttgag cttttctgta gcgtgaatgt tgataataac 180
aggtcagtat gtgaggaagg tttatttggt tggaacggtg cattcgtgtc gtgttaatcc 240
agcaaatoct gtgtaggtta agtaacaagg cttctgtgct gttaaaaata ttttactatg 300
tcattttctt ggacggtttt ctgaacaaat gtgtggtaac cattaggcct tgttcgggt 359

<210> 27454
<211> 442
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D11

<400> 27454

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cggggagaag ctcaaggaga agctgccggg ccacaaggac ggccaccaca cggccgcacc 120
gtccccggcg cccgcgcccg tggagacgca tgcccaccac caggaggaag cgcacaggcc 180
gcacgtcgtc ccgaccccgg ccccgccgcc ttcaccgcac gtccaccagc acgaccacgg 240
cgtcgtcgtc caggacgacg tgaagaccgg gaccccggcg catgcaccgg atgaggagaa 300
gaaaggcctg ctggacaaga tcaaggagaa gctccccggt ggccacaaca agaagcctga 360
agccgctgcc gctgccgcac cggtccgctc cgccacgcg ccggcgccgg cgccgcacgc 420
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<210> 27455

<211> 173

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D12

<400> 27455

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ggcgacggct gcatgatggt gcaacgtctg acctacctca agctgcacag ctattccact 120
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<210> 27456

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D2

<400> 27456

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gcaaggaggg aaggccaagc cgctgaaggc gcccaaggcc gacaagaagg agtacgacga 180
gacggatctt gcatatctgc agaagaagaa agatgaggaa aaagcactga aggagcttaa 240

ggccaaggca cagaagggcg cgattggggg ctcggtctg aagaaaagtg gaaagaaatg 300
agactgggtca cccgtctcca atacctagag gatgataagg caactgtcta tctgtgttgc 360
gcttcactaa gtgtgattgt aacagtggta ccttctgtgg tctgtgttcc gcgaagttgc 420
aattgggtgc tcgatcgaaa gatgtt 446

<210> 27457
<211> 228
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D3

<400> 27457

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ggtgctcccc gtgcttcacg ggaatttggc gacaaaaaaaa aaaaaataaa 120
aaaaaaaaaa aaataaaaac aaaataaaaa aaaaaataaa actaaaataa aaaaaacgac 180
gtgtaaatta ctattatata taaatacaaa atcgcataga taagaaga 228

<210> 27458
<211> 226
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D5

<400> 27458

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atggctcggg tgtaacaata atgaccgcta catttcagag ctatagtact atgacgtgaa 180
tcatatatag tcagtatata tacggaaggt ctgctcgccg tactac 226

<210> 27459
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D6

<400> 27459

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 tgaacgagac taaggcaaca gtcaagttcc agctcaagaa ggtcctttgc atgggtgtcg 180
 ccgtcggcaa cttggcgatg gaggagaagc agatccagca gaacatccag atgagcgtca 240
 acttccttgt ttccctttctg aagaagaact ggcagaatgt gagatgcctg tacgtcaaga 300
 gcaccatggg gaagccatac aggggtgttct aagtctgctc ttttgtgaag tctgctaggt 360
 tctggcaccg aggtttttatt gaattaaact cttgttaaga gtatgttttt ggacgatcct 420
 atatttcgtc ctggcgctac tatgtttcaa aatgggt 456

<210> 27460
 <211> 451
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D7

<400> 27460

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 ccatcttcga ctacgacttc gtcaccgagg agaactgcc aagagcaag atcttcttca 180
 tcgcctggtc tctgacacg gcgcgcggtga ggagcaagat gatctacgcc agtccaagg 240
 agagggttcaa gcgggagctg gacggcatte aggtggatct ccaggccacc gactccgccg 300
 aggttggcct tgacgtcatc cagggccgtg caagctgagg atgccagcg atgaactgcc 360
 catgccagag gatgtatgag catcatcagt tcagatgaga acttgactgg gcgggctatg 420
 taaaaactgc atccaccgca gtgatgaaat c 451

<210> 27461
 <211> 343
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D8

<400> 27461

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tggtagaatg acgatgaggg gtctctctgt tgcggtcgct ctggtcgtgg tggtagccgc 120
 ggctgcctt gccgcgccgc ggggcgcgga cggctcggtc gaggcgggtg cgacgccgac 180
 ggactctgtg gctctgatgc tggcgccgtg cgcgtcgggtg gcgtacgacc cctgctccgc 240
 gccgttcgtg tcttgcttca acgcggtgca cgccattgtg aagcacagcc tcatgtgcct 300
 ctttgccggtt atgcttggtc aacagctgct gaagcacctg tat 343

<210> 27462
 <211> 435
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-D9

<400> 27462

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 cattcagatc ccaactgcct tcgatccctt cgctgaggcc aatgctgggg actctggtgc 180
 agcagcaggg tcaaaggact acgttcacgt gcgcatccag cagcgtaatg gtcgcaagag 240
 cctgaccacc gtccagggat tgaagaagga gttcagctac agcaagatcc tcaaagatct 300
 caagaaagag ttctgctgca atggtacagt ggtccaggac ccagaacttg gacaggatcat 360
 tcagctccag ggtgatcaga ggaagaacgt ctcgaatttc ctcgtccagg cccgcattgt 420
 gaaagaggag cacat 435

<210> 27463
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-E10

<400> 27463

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 tgagaagcac ggcttcacat ccacagccgg tgctaagggtg gcctccatcg acaagaagat 120
 tgggctgagc aataagatta ccacgggcac ttcgttgggtc agcgggaagg tgaaggagat 180
 ggaccagaag ttccagggtc ctgacaagac aaagtcagcg ttcgcgggtg ccgagcagaa 240

ggtgagcagt gccgggtccg ccatcatgaa gaacaggtac gtcttcaccg gcgcgtcgtg 300
 ggtcaccgga gcgttcaaca aggtcgccaa ggctgccacg gacgtcggga cgatgaccaa 360
 ggagaagatg gcggccgagg agcagcagaa gggcttctcc ggcccgtcgt ctaggagcca 420
 ctctacacg 430

<210> 27464
 <211> 223
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-E3

<400> 27464

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 ctatgctata caaactcatc aacctagttc actggcactt gcctgacata attattccac 180
 gagacatgat caccaccatt acctgatata tcaactgtcat atc 223

<210> 27465
 <211> 410
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-E4

<400> 27465

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 ccaggacgtc gcttctcgga tctacgtcct agactgatgc tatttgccgc gtcagtcgtc 180
 ctagacggat gctatttgtc gcgtcagtcg tacttgagca tcattagagt gtggtgcctg 240
 cattaaagcc tgtactaagg ccctgtttgt ttaaggttta aggttttagga atttggttc 300
 actcctactc actttgggat tgccggggga attggttgcc tggggtatat tgaaggtaaa 360
 ttaaactgtc atgagttcat ttctctttat ttatatgtca gattaagggt 410

<210> 27466
 <211> 325

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-E5
 <400> 27466
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 cctaacgacc agagttatcc gcaagcttta caagtcgctt tatcaaattc ccacttgact 180
 gcagggacca ttgattgatg ctctgaatga caataatcgt ctatgctggg gcaacataaa 240
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 tacatactac tcaatacata ttgga 325

<210> 27467
 <211> 433
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-E6
 <400> 27467
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 ttttgctagc tgagacacaa ccagcgaaga tctgttctca ggttgggtctg tgcacttttg 180
 atggcactca tgggtgtcagc gctggaattc ggagcgtagt ggatgatgaa gctgggaaat 240
 caaatggtgg tctcaagagt gatccaatgt gcaatgcctg tgagatggct gtggtatgga 300
 tgcagaacca acttgcccag aacaagacac aggagctcat tctgaactac attaataag 360
 ctttgcgagc gtcttccgag tccaatggga gaatcagccg tggactgtgg cagtcttgcg 420
 tccatgcctg aca 433

<210> 27468
 <211> 438
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-D1
 <400> 27468

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 tccacgcgca gagcctctc gccatctggg cctgccaggt cgtgctcatg ggtgccgtcg 180
 agggctaccg cattgccggc gggccgctcg gcgaggtcgt cgacccgctg taccctggcg 240
 gcagcttcga cccctcggc ctggccgacg accccgaggc cttcgtcgag ctcaaggtga 300
 aggagctcaa gaacggccgc ctgccatgt tttccatgtt cggcttcttc gtccaggcca 360
 tcgtcaccgg ccaggggccg ctcgagaacc tcgtgacca catcgtgac ccagtcaaca 420
 acaactcatg ggcctacg 438

<210> 27469
 <211> 300
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-E8
 <400> 27469

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 cattcaagta gcatttgact atctgagtgt tatgctttac caggcttttg ctttttagtat 180
 tgcctttata ttgagtacta ctacaatact tcatgtcgtt ttgttttcaa aaatacttta 240
 tgtcaatttt gcaagtctga tttgctcgaa ataagaggct catgctgttg tgcgggtgctt 300

<210> 27470
 <211> 229
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-B12
 <400> 27470

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 cgtggcggtg tccgtcctgg tgggtggcg gcggcggtg tgcgacatga gcaacgagca 180
 gttcatgtcg tgccagcccg cggcggccaa gacgactgac ccgccggcc 229

<210> 27471
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-B3

<400> 27471

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ggagttcggg taccatcatc aagcctacat ggatcagctg aacaacgagg acctggtgga 120
cccgaatgag catggtcgcg ctggatggat atgaaatgct ctgatgaccc caaataaagt 180
tgatgcacag cagggattca ccctgcatga cgcgagacta tgtattgagg ctaagacctt 240
gcgtgtgtag tggtgagtcg gaagctttgt tactttataa atcgttgtca tgcccaaaaa 300
tatatattat gttttaatta 320

<210> 27472
<211> 209
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-B5

<400> 27472

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aggtaaactg ggtgcacagg ttctctgaat tctgtacgcc gtaggacagg ggcgagcatg 120
tcacggcgaa tgaagaaaca atctctccta gaataactac atggcagcac tcacagtcc 180
atccttcctt tcagcactct ctcttgac 209

<210> 27473
<211> 456
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-B8

<400> 27473

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ggcaggctgt gctagagaat gttcagtcag actcattaag aagattgtta gccagagagg 120

gtcgactgat atccgtcagc ctaggcacag ctccaactgt acaattaata ttcaactctc 180
gagtaaataa atctaaagct gagaagtata ggggccaaat tctgcaggca tttgaatctg 240
ttctttcttc taccataata cttgaaattc gatatgaatc taaggatgat ctggcagcag 300
gccatgctcc agttatttct gctaccctg aggatggctc ctcaaactctg gtattaagga 360
ggctcttttac taaacatagt tcagtttctt cggggggcga gaacttaatt aggaggcttc 420
agaaagatag tgtggtccaa cttggtagct caaatc 456

<210> 27474
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-B9

<400> 27474

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gaagaaggcc aaagcagcag catttcaagc tgaaaagaaa ggctacacag aaactttaaa 180
caaattattht gaaaagaaga aagaacaga tgaatttaaa gaaatgaaaa aagacgagag 240
gtttagatta gcattagcag ttgaacaaga gagggctgcy aatgagaaat taaatatgca 300
gttaaggagt aaagagctag aattgaggca gcaagaagtt gaacaacata agaagaagga 360
agaagagaag attatgacac tagaccttag tgtcatgcct gctgatcaga agcaatatta 420
catgagacta cgatctaaga tatt 444

<210> 27475
<211> 431
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-C11

<400> 27475

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ttcttcctga ggcgaagtta ttccgcaga aagatatagg agatttggca tttagagatc 180

caaggaaaag gaaagtagct gagtacaatg ccatctcata ttctgaccaa atgagattaa 240
gaacagcagt tgaactttta aaagccacga aggacattga atcacagttg gaaaagatct 300
cctctccatt gctgattctt cacggagccg cagacatggt aaccgatcct catgtcagca 360
aattccttta tgagaaagcc agcacgaagg acaagaccct caagctctat gaaggcagct 420
accattcaat c 431

<210> 27476
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-C12

<400> 27476

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acagaaggtc catgcaccgc cgtactcgtc accattcatg gggttccaca atcaccctt 180
ggcagttcca acaaatgggt acttaccata tactcagcca ggtcacttct accctgcttc 240
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cagaaataac attcatcctt actcgggtcc tgaatttgggt tttctgcctt cacagccagt 360
tcacaagacc tcagtgaact tccatgcggt accagtgaca ccaactgacc cgttgtgtag 420
ccgcggaatg ccagtggc 438

<210> 27477
<211> 440
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-C2

<400> 27477

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ttgtcttagt atcttagggg 440

<210> 27478
<211> 211
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-035-Q1-K1-C4
<400> 27478

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ggacgcgtac tcgtatagtt gtgttcagtt ctgggtctat agagatatgt agccctgcat 120
tgtcgaaata aatactgtgt ccactcgttc gtgaaatgaa aaaaaaaaaa ataataaaa 180
aaaaattaaa aaatataaaa aaatttataa a 211

<210> 27479
<211> 367
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-035-Q1-K1-C5
<400> 27479

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ttattagatt ttaatttgta tttatgtttt tttattattt attttatttt ttattttatt 180
tttatatctt tttttattat tatttttagtt atcatttttt ttttaattat attttttatt 240
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tattatt 367

<210> 27480
<211> 453

<212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-035-Q1-K1-C6
 <400> 27480

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gcagccgtcc atcaaccaat caaaggcttc accagtcaac tggacttgag ggcaggacct  180
cgtcattccc aaaacctgga agaatcggcc aggatgaccc cactatgagg agttttgaac  240
gccttactat cagcgcagag aggaggagat gaatctttgg aggtgcaaaa ggtctgacca  300
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<210> 27481
 <211> 429
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-C7
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<210> 27482
 <211> 452
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-C8

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<210> 27483

<211> 415

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-C9

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cttgcttgca cgtctccccg agtgtgtagg tagatggaca gttgggggtc caaagcacta 360
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<210> 27484

<211> 460

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-B11

27484 27485 27486

<400> 27484

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ggaagattca taaggctggg gagtagaagc ttaaacgaga ccacctaaac catctctttg 120
cagaactggt taatatgcta gaagctgatt gacagaacac ttgcaaagcg atgcatactg 180
actgacacta ctccgatact aagatacctg cttgatcaag gagactctat atacaaggca 240
cataccaacc tacaaaacga atctcattat gtaagccgtc gtctttgagc atgtcatcta 300
acattcactc tatcggccgc tgtcctgctg gccttaatct atcaaaactcc tgtatctgat 360
tttatacatt agaaatgctt tatacaaatg cctaattcaa ctcatgactc tgttgaacat 420
gtggcttgct acgctacctt tgctgcatgt ctcatcatgg 460

<210> 27485

<211> 129

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H3

<400> 27485

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ggggtgtagt catccaggat gtgcaagaga ggcgcgcacg caatcaagca agcttgaata 120
gagactatc 129

<210> 27486

<211> 414

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H4

<400> 27486

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ccagtcgcct cgcgccctcg cctccggtcc tccgcacacc ggccggtgac cctgcatcca 180
ccatgactgg tgtcagcact ggattgttga cgggcttgag gagggtcatt gaacagcaaa 240
ggatttcaac cgctttctgc agacaatcac gagtttcgag ctctactgtt tctttctctg 300

acctcgatga gaagggtgac atggaatatg atgataactc tccaaattca aagagggagt 360
 tacgacccca aggtgtagat cccaataagg gctgggaatt ccgtggtgtg caca 414

<210> 27487
 <211> 295
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H5

<400> 27487

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 cgatcgaccg agagctagca cgcgatggcg aggtcttcca agatgatggt ggcggcagct 180
 ctgctggcct tggccctggc cgtgtcgacc gccgaggcga ggaacatcaa gaccacgacg 240
 acggagaaga aggacgacgc ggtggtgcag ccgcagacct tcccgcctt cgacc 295

<210> 27488
 <211> 197
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H8

<400> 27488

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 cgatggcggt atatctcaa ttattgtctt atttagttag gtctgatttg cgtctatgag 180
 taagtgaag accacgt 197

<210> 27489
 <211> 295
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H9

<400> 27489

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gatgtaacaa cttgggtttta tgcttcttgc gctgatatgg cagcttgact tcacaccatt 360
 tacgggtgcag atcattgtca tcctcaatga ctgcatgçgt ccçttatatt agttatcgtg 420
 catgatc 427

<210> 27492
 <211> 428
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-A11
 <400> 27492

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 cggtcggcga tggggccgtc gggaagacct gcatgctcat ctgctacacc tgcaacaagt 120
 tccccacgga ttatatcccc accgtatttg acaacttcag cgccaatgtc tccgtgggtg 180
 ggagcatcgt taacttgggc ctctgggaca cggcaggcca ggaggattac agcaggttga 240
 ggcctctcag ctacaggggt gccgatgtgt tcctcctctc cttctccctg gtcagcaagg 300
 cgagctatga gaacgtcctc aagaagtgga tgccagagct tcgccgattt tcacctactg 360
 ttçctgtagt tçttgttga accaaactag atctccgtga agacagatct tacçttgctg 420
 accattct 428

<210> 27493
 <211> 89
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-A2
 <400> 27493

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 tggcagtcgt acaatgacca tgagggggtc 89

<210> 27494
 <211> 355
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-035-Q1-K1-A3

<400> 27494

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ggcgagcacg cgacccgaca acgctcgcgc ggaggccgaa atgcccgtg ctgctcctct 120

tcccagtacg tagcagcgga acatcgtcgt gggtcgtccg ccgttgccat cgtgtgacgg 180

cgtgaaggga tcggatcgaa ggaggccgca agccaagcaa ggatcaagaa atggcgtcgc 240

gcggccacct gctgctacta gcgtgctcg tgctggccgc ggcggcagcg gcagcgtcgg 300

gcggcgggcg acagcaccag cagcggcagc gcggcgggag gaagccgaag ccggc 355

<210> 27495

<211> 176

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-A4

<400> 27495

gagacacctg aaataagagt tgtcgagctc gatcagtcctt acttctatca acttgttctt 60

gggctgcaac agagtacttt aaaagggatc ctcaatcatg actttccctg tgtattgctg 120

atatattggc actagatatt ttaggaaact ctatttacag cacagtgatt tgcacc 176

<210> 27496

<211> 246

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-A6

<400> 27496

aaaaagaata agaaatagaa caaaatttga ttgataccgc ataaaaagat tctatcataa 60

gtacgagtta atactataat aaggaagatc ttataaagat acttaaatga gagttgactg 120

tccttgaggt tccaacatta cgactgcaaa tacctgaacg ataccgatct taacaggtat 180

gctaaattta ataatgtggc cagcttatta aaacgtgaag aagggaacac ctttgggttt 240

tccaaa 246

<210> 27497

<211> 453

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-A8

<400> 27497

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 tgccctcaag ggagctttgg atggtggcct ggatattcct cacagcgaga agaggtttgc 180
 tggtttcaag aaggatgaca agcagctgga tgctgatatc catcgcaagt acatctatgg 240
 tggccatggt gctgactaca tgaggaacct cgctgaagag gagccagaga agtaccagtc 300
 tcacttcagt gactacatta agaagggaat tgaggctgac gacatggaag ctctgtacaa 360
 gaaggccat gctgccatcc gtgctgatcc ttctgtggtc aagtcaacca agcagccacc 420
 aaaggagcac aagaggtaca accccaagaa act 453

<210> 27498

<211> 450

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-035-Q1-K1-A9

<400> 27498

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 gttcccgggc gtgaacacgc tgggcgtctc catggcgcg c atcgactacg cgccgggcgg 180
 ccagaacccg ccgcacacgc acccgcgcg caccgagatc atcttcgtcc tcgacggcac 240
 gctcgaggtc ggcttcatca ccaccgcaa cgcgctcttc accaagaccg tcaccaaggg 300
 cgacgtcttc gtcttcccgc gcggcctcgt ccacttccag cagaacaggg ggcacggccc 360
 cgccgtcgtc gtcgccgct tcaacagcca gtcacagggc acgcatgcca tcgccatgac 420
 gctcttcggc gccgttgccg ccgtgccctc 450

<210> 27499

<211> 434

<212> DNA

<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-035-Q1-K1-B1

<400> 27499

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tgcttgacat tggctgtggt tggggctcat tagcaatacg tttggtgaag agaactggct 120
gcaagtgcac aggaattaca ttatcggagg agcaactgaa atatgggaag agaaaggtga 180
aagaatttgg attagaggac cgcataactc tctgctttg tgattaccgt caaataccga 240
acggccagaa gtttgatagg attataagtt gtgggatgct tgaacacggt ggccatgagt 300
tctacgaaga tttctttgcc tctgcgagt atcatttggc cgaacacggt ctacttgctc 360
tncagtccat cgcggtccca aaggaactgt acgacaaaat gaggacgaaa cctgactttc 420
tgaaggaata tatc 434

<210> 27500
<211> 369
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H2

<400> 27500

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gcggtgaggg caaggtcgtc gacagcttcg gcgggctcaa ggcctacgtc gccggccccg 120
aggactccaa ggccgctcgtc gtctcgtcgc ccgacgtctt cggattcgaa gcgccgatta 180
tgaggaagat agccgacaag gttgcttcgt cagggtactt tgttgtggta ccagatttgt 240
ttcatgggga tccttatgca cctgagaatg ttgagaagcc ctttcctgtg tggataaagt 300
cacatactcc ggaaaaaggg tttgaagaga caaacatgt tattggggct ctaaaagaga 360
agggagtgt 369

<210> 27501
<211> 442
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-035-Q1-K1-B10

<400> 27501

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agagggagaa gcttaaacga gaccacctaa acgatctctt tgttgagctg ggtaatatgc 120

tagaagcaga tagacagaac aatgggaaag catgcatact gactgacact actcggatac 180

taagagacct gcttggtcaa gtagactctc ttcgaaagga acatagcgac ctacaaaacg 240

aatctcatta tgtaagcctt tttcttttag tatgtcaact aagatttggc ctattggcag 300

ttgtgctggt gccctttatc tagcaaactt tgttatctga ttttatccat tggaaatgct 360

ttatacaaat gcctaaacca actcatcact ttgntgaata tttggcttgt cacgctacct 420

ttgttgcatac ttccagcatg gg 442

<210> 27502

<211> 378

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-F3

<400> 27502

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ttgactatga cacagttcct ggtgtgggtt atacgcatcc agaagttgca tctgttggca 120

agactgagga gcaggtgacg gctctaggaa ttccctatcg tgtgggcaag tttccacttt 180

tggctaacag tcgtgcgaag gccattgatg atgctgaagg ggtagttaag gtgatcgcg 240

agaaggaaac cgataagatt ctaggtgtgc acataatggc acccaatgct ggtgaaatca 300

tccatgaagc tgtcatcgcc ttgcagtatg gagcattcag tgaggatgtt gtcgaacat 360

gccaagcaca ccctaacg 378

<210> 27503

<211> 457

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-F5

<400> 27503

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tgggactatt ttttctggag cttgtgaaca agtttggggt tggagcagtc tatgcaggtt 120
 ttgggtggggt ctccctgctg acagcactct ttgcctacaa tttcatagtt gaaacaaaag 180
 gacgttcgct tgaggaaatt gagatgtcct tgagcagtgc taccctggc aagcaagagt 240
 agaacatctc aattgtatgg acaaactgaa caactgacgg gaggaattta ataagagcag 300
 agggggccta atcccatgaa tcttcagcag cagcagtttg ttgcaaacia catcaactcc 360
 tatagataat gagcacaatc aaattcagct tttcttttgt agcatgagaa ttgttgtaca 420
 atattaaaaa ggggttgagaa aatggccctt taaattt 457

<210> 27504
 <211> 340
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-034-Q1-K1-F7
 <400> 27504

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 agctactttg tttcgattta tcaggaaatc cgtttgcttc atgttgtgca ggctcatatc 180
 tgattgctgg attcggcaaa cccgcgttgg atcctgtatc ggtagtcct tgctgcaag 240
 gttcttggtg ttttgttttg gtggtcgagc atcgcatgtt ctgcttctgg atccagatct 300
 ggagaaatcg cgaagtcgtc gtcgttcggg tcggagcgga 340

<210> 27505
 <211> 213
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-034-Q1-K1-F8
 <400> 27505

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 tgtacccatg tgcagcagca gcttaaatga accatggctt actgaccacc gcggaggcgg 180
 agcaccatgt ggagagtgtc cttcttctgg atg 213

<210> 27506
<211> 358
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-F9

<400> 27506

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tgttcgtcaa caagcagggc cagacgcggc tggcgagta ctacgagcac ctctccctcg 180
acgagcgcgc ggccctcgag ggcgagatcg tccgcaagt cctcgcccg actgaccagc 240
agtgttcgtt tgtggagcac cggaactaca aggtcgttta caggcgctac gcctnccttt 300
tcttcctcgt cggcgtcgac agcgatgaga atgagttagc tctccttgaa ttcataca 358

<210> 27507
<211> 358
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-G1

<400> 27507

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tttctatgta tgtgacgatt caagttaact tgtggagcgc ggctgcgcgt gcgtttgtgc 120
ttgtgcagtc gccactgttg ctgtgttctt gcgatactct tgtcacttga gaggtggtgt 180
tgtatggact ggttttagctg gctcccccg gcttccatcg acccgcttcg cgcttcatgt 240
ttactacttg cgatactgtt gttacttgtg attgatgatg ataaaagcca cggcctgtgt 300
tactactgct gtaacaagtc cgacagaaga accattcaat gcatgccac gaagggga 358

<210> 27508
<211> 423
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-G12

<400> 27508

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ttcaaaacac taattgccgc agaatacagc ggtgtcaagg ttgagttggt gaaggacttt 180
caaatgggtg tctccaacaa aactccagag ttctcaaga tgaaccctat tgggaagatt 240
cctgtcctgg agactcctga tggctcctgtt ttgagagca atgcaattgc aagatatgtt 300
actcgcttga aggctgataa cccactttat ggatcttcac tgattgatta tgcccatatt 360
gagcaatgga ttgactttgc tgcaacagag attgatgcaa acattggaaa gtggttgtag 420
cca 423

<210> 27509
<211> 360
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-034-Q1-K1-G4
<400> 27509

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atctaccaga agcacacgcg ccagcccata gataagattg agcagtgcac ggagagggac 180
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cgacctgcct cgttcatgcc cgacggaatc ggtggaggcc tcgatgtgcc caggctcggc 300
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<210> 27510
<211> 351
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-034-Q1-K1-G5
<400> 27510

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gacatatatt cagtgatgga acacaaggag gccggctgcc agcagccgga gggcccaatc 120
ctatgcatca ataactgtgg tttctttgga agcgtgcca ccatgaacat gtgctccaag 180

tgccacaagg agatgataat gaagcaggag caggcccagt tggctgcctt ctccatcgat 240
 agcattgtca atggcgggtga taatgggaaa ggacctgcaa ttgctgcaac tgtagggtgtg 300
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<210> 27511
 <211> 292
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-G6

<400> 27511

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 gcttcactct gtatagatat acatacatat atatgttagc tagtagcatc gaacacttgt 180
 cccggtgggt ggcggacgga gatagtgttt ccctgcgtgc tgctctgtgt aaactgaaaa 240
 atgcgagatg aggcataaag ttcagtgaaa ggttgcatac attttcttga ag 292

<210> 27512
 <211> 403
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-G7

<400> 27512

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 caagcttgcg ttcacgggat cgacgggcac ggggcagatc gtgctcgagc tggcggcgag 120
 gagcaacctt aagccggtga cgctggagct cgggtggcaag tcccccttca tcgtcatgga 180
 cgacgccgac gtcgaccagg ccgtcgagct cgcgcaccag gcggtcttct tcaaccaggg 240
 ccaatgctgc tgcgccgggt cgcgacgtt cgtgcacgag cgcgtgtacg acgagttcgt 300
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 cgaacagggg cctcagatcg acggcgagca attcaacaag atc 403

<210> 27513
 <211> 434

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-034-Q1-K1-G8
 <400> 27513

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 ccatgactcc tttaacataa ttaaaatccc ccaaaacatt gcaaatttag tctggagggt 180
 tggtgtttgt taaaccgctt tccggtttta agttctgacc caatgacttg ctgttaatta 240
 tattttttcc ctcaatttta acattacagc ttgaactgca gtgtgccagg aatccctggt 300
 gaattgtttt tatagggata atctgaaata taacctagca tatgcaaatt gtttctgtag 360
 ttccttctgg aattcattct caggcaaaaa aatattttgg cattattgca tctaccaata 420
 ctaggtatga acta 434

<210> 27514
 <211> 341
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-034-Q1-K1-G9
 <400> 27514

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 cgccagacct ccaccaaggg gatggacccc aagttcctga ggaacctgag gtattctagg 180
 aagggcaaca aaaagagtgg tgaggctgaa gctgaggagt aggaaggaaa gcatggcttt 240
 gtttctctg ttcttagctc agttccacct ttaggacctg nggttttggt aaagatggaa 300
 cttaagttgg tgttactgta tgatggcaag gaccttttgc t 341

<210> 27515
 <211> 355
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-034-Q1-K1-H1

<400> 27515

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tttccttgcg ccaggatcag agttgtggat gtttaatgat gtccctgagg ttgacagaga 180
aagaaagcta attgatggag gtttggactt cagtcgcctc gataatatta ctttgggtgca 240
tcgtgagggg aatgctgtta ttcgccgtca cttggagagc cttccttttag aatcattcga 300
ttctatcctg attttggcag atgaatctgt agaagattca gcaatccaag ctgac 355

<210> 27516

<211> 86

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H10

<400> 27516

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gcagcgaacg acatgatgac gtgtgt 86

<210> 27517

<211> 347

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-H11

<400> 27517

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cggcgacgtc ggcgtgctca ttttcaactc cagcctgctc agccccacgc cgtccttcac 120
gtcgtcatc gccaaaccgt acgggatgcy gcgcgacgtc gtcagccaca acctcagcgg 180
aatgggatgc agcgccggca tcatcgccat cgacctcgcc aagcgctgc tccaggtgca 240
cccggacacg tacgcgctgg tggtgagcac ggagaacatc actctcaacg cctacatggg 300
caacaaaccg ccccatgctg gtcaccaaca cgctttttcc gcgtcgg 347

<210> 27518

<211> 379

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-F2

<400> 27518

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cctcttggca gagtttgaca agattaacaa aaagcttggc tttaggaagg aggatcttcc 120
caagatcgag gaagagcttg aattggaaat tgccaaaagt gagctgactg aacttaagaa 180
ggaatgcgtt gaagcaatgg agactcaact caagagggag gagtttcaag atgaggagat 240
gcctgatgtc aggaaattgg acatcagaaa cttcctgtag gcctgatcga cgataatctt 300
tgaggcccaa cgcacctctg gttttggttt caagttgatc ggtgctccac acctatgaat 360
gctgcttctt ccctttttg 379

<210> 27519

<211> 364

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-034-Q1-K1-D3

<400> 27519

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cgcgcgctgg cgttcgccga gcggatgcag gggctgggcc tgcgctgct gtaccggggc 120
cttcggggcc acccgacca cgcgcgctg gccgccatgg gcaaccggg ctacggctgc 180
ggcggcatgc tgtgcctcga catgggcacc gaggagcgcg ccaaccgtct catgcaccac 240
ctncagaaca ccaccagtt cggcctcatg gccgtcagcc tcggctacta cgagacgctc 300
atgtcctgct ccggcagcag caccagcagc gagatgccg ccgaggaccg cgcgcgcgcg 360
ggca 364

<210> 27520

<211> 419

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-D4

<400> 27520

tttaaaactt tttaattgga aaaaccttgt ttttaccaaa ttaattcact ttgtaaaaaa 300
 ttctttttt 308

<210> 27523
 <211> 346
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-D7

<400> 27523

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 aacgaaagag aagtatgaag aaattcgtga acgtattata gaggaacctt ttgtatgcaa 120
 aagagctcgt gaatggagac ctgatgtaac atgcaatgac ccagaagata tatctcagga 180
 tggtagcagg ctttgggcta ttgacaaacc caatattgca caacccctc gcggatggga 240
 aaggcagatt aggataagag gtgaaggggg taccaaattt gctgatgtat actatacctc 300
 tcctactgga aggaaactta ggtctctggt tgaagtcgat aggttc 346

<210> 27524
 <211> 430
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-D8

<400> 27524

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 tcagtttcat gctatcaggt acttcttcat tttctgatca gaaacaaaaa aggacgaatt 120
 gatttgaaga gtatatgtgg acatacttaa agttggattt ggttcttgca ccaaaggagg 180
 tattatttat tctgttgcca tatctttaat caagaaagat agttttctgc aagctcttgg 240
 tattcttcgg caactaaaga gtttgatct taaattaagc aaggagcct tgtcaactat 300
 agaagaagaa tttaacaagg aaagcaaatt ggggatatga tgaatttggt ggaaagagtg 360
 gagatgttct cctgagttgc gtcttcgcaa caaaaatctt gtgtctgtgt gtacaaatct 420
 tggcactgat 430

<210> 27525
<211> 263
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-E1

<400> 27525

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tgaaagaact tgatcaaaag tgtcccactg aaatggatga atatgctggt tgcattgtatt 120
actacaccaa cgaattcgac ttctgccgct atgagcagca agcttctgaa gaatcctgcc 180
ccatttccga gtagatcttg agagctctac ttgcagggat ctttgcaaata acagaaagaa 240
aggatcgaca acctagttca tga 263

<210> 27526
<211> 61
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-E10

<400> 27526

cccacgcgtc cgaaagaaac aaaaaaataa aaaaaaaaaa aaaaaaaaaa aaaccaaggg 60
g 61

<210> 27527
<211> 319
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-E11

<400> 27527

gtattntatg tcttggttggg tacctgtaat ttaattaaaa ccatcacttg tatcaaggga 60
tacacttcgg taccaactga tggatctcct ttgatcatac acaagtcctt tgatcacagt 120
cacacagaag tgagaactaa gttcacagct aagactctta gcgatacaag agatgcattt 180
gtcgccacaa actcaatcac catcatctta ctccctcggac tcagcctcgc cactcttctt 240
gttgcccttc cttgagtacc gaagtgtatt ttatgtcttg ttggttacct ggaatttaatt 300

taagaccatc acttgatc

319

<210> 27528
<211> 367
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-E6

<400> 27528

aagaaaaaga ataaaaaaaa aaaaaaaatt aaaaaaaaaa aaaaaaaaaa aaaaaaaaag 60
aaaaaataaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aataaaaaaa 120
aataaaaagg ggcggccctt ttccatttta aaaaatgggg gctttttttt aaccaaaaag 180
gggggggtga aatttttttt aatttttaaa ccctttggga aaacattctg gttctttttt 240
ggaccatttt ttttttcctt ttaaaaattc tatttttttt ttggggcctt aaccttgggt 300
tcctttttgt tttccccctt ttttaaaact ttttttttgg cctccccctt ttaaaaatcc 360
ctttttt 367

<210> 27529
<211> 186
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-E7

<400> 27529

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gtagctacat tccccctccc accacctcca cacatcaact tctgcttcac ctttttttagc 120
atcaatggat ggccggttgt ttttaatgcg atgatctgca gttatcgtgg cagaagctct 180
ttgtgc 186

<210> 27530
<211> 363
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-E9

<400> 27530

aggaaatgac aaaacagata ttggaatggt ggttatcagg ggaaacagtg ttgtagggat 60
cgaggcactg gagccagttg cgaggtcaca gtgaatcatt gttcttttagc actagcagcg 120
tgaaaactga tgtaaaagat atcagtggac cctgttgtat ttgactaatg cttttgcaca 180
gcaacataac ttcagagggtg gaatgtctat ccctttctct atgggatgct tgtagctata 240
caatcatcga gctcttaaat tacatgatct aacgcagtct catcgagctc ttaaattaaa 300
aaacaagaag atccaaccaa gcaacaatgt tggatgtag ccgaaaaaat agaataatta 360
aaa 363

<210> 27531
<211> 382
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-F1

<400> 27531

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gtggaagttt ccaactggtg attgcatcca ctaggtgcaa tccaattttt gcgatggtga 120
cgaaaccaag tagaagatgg caccctaaca agttatatta tttccttttc ttatcctgct 180
tagatccaag gatgtgatgg tctgaaccct aacgggtctcc tgctatcttg atttgacgtc 240
tgggagacgc ttgattccgt gcctgtgggt tgtaaagcgt taaaacttga ctttgctagt 300
gtactcccaa tgatataacc caatcctggg taaacaaacg catgggggatg aaatttggac 360
gaaaccctgg acaactgatg tg 382

<210> 27532
<211> 407
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-F10

<400> 27532

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caaggcgggc aaggggctcg ggaaggcgcg gcggaagcgt caccggaagg tgctgcgcga 120
caacatccag gggatcacga agccggcgat ccggaggctg gcgaggaggg gtggcgtgaa 180

gcgcatctcc gggctgatct acgaggagac ccgcggcgtg ctcaagatct ttctcgagaa 240
 tgtcatccgc gacgctgtga cctacacgga gcacgcccgt cgcaaaaccg tcaccgctat 300
 ggacgtcgtg tacgccctca aacgccaggg ccgcactctc tatggcttcg gcggctaggt 360
 taggtgtggg taattgctg tccaggtgtc tcggatctgt ggtacta 407

<210> 27533
 <211> 424
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-034-Q1-K1-F11
 <400> 27533

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 attataccaa tcaatactga tggagcccaa aaggtagggc agaagcgtgc caggttgctt 120
 aatgatgacg acgaccatgt taaaaagaag attcggctgg gtgctcctgc aacacagtgg 180
 atttcagtat acaattcaag gcaacctatg aagcagaggt accactataa tgtggctgat 240
 gcaagggttag cgcaacatgt ggagaaagga aatgaggatg gtttgttgat aagttcaata 300
 tcacatgcg caaatctttg ggcaatcatt atggatgcag gaactggctt ctcagctcaa 360
 gtttatgagc tatcttcaca ctttcttcat aaggagtggg tcatggaaca attggataaa 420
 agtt 424

<210> 27534
 <211> 380
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-034-Q1-K1-F12
 <400> 27534

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 tggtggtctt cgggctagcg ctctctgcg ctgtcgccgg cccggccgcc gcgcataact 120
 gcggctgcca gccaaacgtc tgctgcagca agttcggcta ctgcggcacg accgacgagt 180
 actgtggcga cgggtgccag tcgggcccgt gccgctcggg cggcgggcggc ggcggcagtg 240
 gtggcggtgg tgcgaacgtg gctagcgtcg tcaccagctc cttcttcaac ggcatcaaga 300

accaggccgg gagcgggtgc gagggcaaga acttctacac ccggagcgcg ttcctgagcg 360
ccgtcaaggc gtaccagggc 380

<210> 27535
<211> 400
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-D2

<400> 27535

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ggctcggcca cgtcgccgtc aagttcggca aggccttcgg gatgaaggtc accgtcatca 120
gcacgtccgc cagcaagcgc caggaggcca tcgagaacct cggcgcggaac gagttcctca 180
tcagccggga cgagaaccag atgaaggcgg cgacggggac catggacggc atcatcgaca 240
cgggtgctggc gtggcaccgc atcacgccgc tgctggcgct gctgaagccg ctggggcaga 300
tggtgatcgt gggcgcgccg agcaagccgc tcgagctgnc ggctacgcc atcgtgccgg 360
gcgggaaggc cgtggctggg aacaatgtcn gcagcgctcag 400

<210> 27536
<211> 468
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-B8

<400> 27536

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cttcanngtg ttggaccatt ctactnnnga tacaacgtga gcgagcattt gctgattggg 120
gcgctatgca aggggcatcn naaatgatat atgttcatca tagtatttta gtaacccatn 180
tngagtaatt caatttctgt tgtcacgtnn catgtatgtg actgannagt gtaaatttct 240
tccttagctg ggctcagagt gaagnnnntt gttgggaatg taaaaattag ttttaatcga 300
catactgtgg atttgggttt caattccaat ccaaaccctg gtagtgtgcc ttcaaattta 360
gtgctgtact attaagttta aagttattat taatgtgaat attaaatata aattttctga 420

taaattgttg cctctgttga tacacttatc aaatagttaa aatggata

468

<210> 27537
<211> 348
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-B9

<400> 27537

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ccgcgcgcgt tgcagtcgcg gccacatcgt cgcctatcca tccccaccgc tcccactgcc 120
acgattcaca agaggtgtcg agatgtctca gaacaacccc tcccagctcc tcccctcaga 180
gctgatcgat cgggtgcatcg ggtccaagat ctgggtgatc atgaaggggg acaaggagct 240
cgttggcacc ctctgcggct ttgatgtcta cgtcaatatg gtgctggagg acgtcaccga 300
gtatgaatac actgctgaaa ggcgcgcgat taaaaaactt gaccagat 348

<210> 27538
<211> 389
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C10

<400> 27538

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gctttgcttg aaacgtaacc ctgcatctcg tgcttctgca gtccagctga tggatcatcc 120
ttttgttcag gatcaccctg cagtgcagagc tgcaaatcc agtgtattga gaaacacacc 180
atcttctcca gcagatggca gacacacaat gtccaacagg gagttgccat ctgcgaaaat 240
tataactcct ctgaaggata ttggactggg catgagagat tttactggat tttccactac 300
tgttccctca ccacacagtc ctattcctgg aagagcaaac atgtctacgc cagtttcacc 360
atgctcaagc ccgcttcggc agtttaagc 389

<210> 27539
<211> 330
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C11

<400> 27539

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gcctggcact aatgaggaga ttgtccagtt tgcttgact cgcttcaagg ctgagtatcc 120
aattttcgac aaggttgatg tcaatggtga caatactgca cccatttaca agttcctgaa 180
gtccagcaaa ggtagtctct ttggcgataa cataaaatgg aacttctcca aattcttggt 240
tgacaaagag gggcatgttg tggagcggta tgcaccaaca acttccccac tgagcatcga 300
gaaagacatc aagaaactac taaggagttc 330

<210> 27540

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C12

<400> 27540

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acaagcagtg atcaaaagcg caggattcag aagactgaac atgctcttaa agctgctgag 120
gaggagctga tgaaggctca gttggaaaca acaacaaaag taaaacagct tagagagggt 180
catggagcct ggttgccacc atggttagcg acacatgcag cccgctctat ggaggatgatg 240
tcaaatact ggaatgaaca tgggaaacct gcctttgaca gcttcttgca gaaggcatct 300
gaaaaaacag tgcagacaaa gaaatgggct ggcctcatc tggaaactgc taagacaaaa 360
tggatgcctg ttgctaaaag aaaaatgggt ta 392

<210> 27541

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C4

<400> 27541

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cgggtgaggg attgtatgaa ggcctggact ggctgtccag caacattgca accaagtcct 120

aaattgtcaa gcgaggtttg gatcatctag gagcttttgg atgatgatga tgggtgctgga 180
tatttagggg tgggttggtg tttccgtatg taagatgtat gcccttgagc tcggcagttt 240
ttgagctctg cttaagattc tcacagttaa attgttttat gtaatttggg ccttgagatg 300
tttttgaacc aaacagctaa aagagttcag ttgagttaac tgggtgccat tattacatta 360
tgagattctt tg 372

<210> 27542
<211> 296
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C5

<400> 27542

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gtccgtagag cagagcagat cagagagcgg ggaggaagaa aaaccgatcg atggcgcca 120
actacgtgga cacaacgggc gaggagggac ggttccacgg ccctcacagc cacagcacca 180
gcacgacccc gacgggcggc gcggcgggcg cggcacgcc gcgcaacttc cggcgagct 240
tctctccgc gtcctccgcg ggccacagcc acggcgggcg cggcggtgt gccaag 296

<210> 27543
<211> 439
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-C6

<400> 27543

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cctgcacttc agcgatcgtt gcagcttgct cttaagtgtg aggatgagca tgatgcaagg 120
aagcgagcaa gtggagatgc tgatgaagat gatcaaagtg cagacactga taatgaagaa 180
gagaatgatg atgagcatcc catcacgcag gccataagg ggaccctact cacgcgtaaa 240
agattgcggt acatgccggc ggatatggag gatgtaggtt tcggcaactc ttccagctca 300
catgactgta gctggagatc tgatccncat agcattgcag tggacatcaa caaagcttct 360
ccagatggaa ctaacttggc tttcngttca aaaagacttg gctacacagt ctgcnagat 420

tgagaaacag cgcatggaa

439

<210> 27544

<211> 372

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C7

<400> 27544

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atatctagtt cgtgtcatga tacggattcc ggagttcctg aatgccggtg aagagttgtg 120
gggttgtgac atggaggtgt tcacgaagca gtagagccta gagtagagga ggaactgagg 180
aaggtacagg gacaaagtag ctatccaaga gggttgctgcc tgatggtgac gtgaacagtg 240
aactgcagcg atcgaaaatg ttggccgttc gaacaccaca agtttttttt ttttgcttga 300
tcaaaaatgt ttccttcttg attggatgcg aatacgtgat tctgtgcgct acaagcgtca 360
tcggaggccc at 372

<210> 27545

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C8

<400> 27545

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cttgttgttc atgtcgtcac tgtgacgagt ccgctgctga tactgcacgt gcgtactcta 120
tgtatgtagc tgtgtaataa agttcagggg atgtaaattg acactcctac caagtatgct 180
gatgtatggt ctcatgcgtg tcgggggttc ttatacatgg tttgtgtag atttagtatg 240
aagatgacct ctattttatt tgatacaaat cgaataaatt gtaggtttat attaaaaaat 300
aataa 305

<210> 27546

<211> 353

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-C9

<400> 27546

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ttcttcatca catggtgggt tattcaattt gttgatgggt ttttcagtcc cctatatgca 120
aaaattggaa tcgacatatt tgggtcttgggt tttttgactt ctatgggtatt catatttctg 180
gttggaatat ttgtttcttc atgggttgggt tcaaccatct tctgggtggg cgagtgggtt 240
ataaagaaaa tgccatttgt aagacatata tattcagcat caaagcaagt cagcactgca 300
atttcaccag atcaaaatac gactgctttc aaagaagttg caataattcg tca 353

<210> 27547

<211> 312

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-D1

<400> 27547

aaaactaaaa cgagcagcgc atgcatgcat ctaccgtccg gtttcgtctg aaaccatcat 60
tgatttcgat cgtccactcc acgcacagca agttctttac ggaccttgcc gcatatgata 120
tgtacatggt gacaagataa ggtacaggag aattgatgaa agaagcgttg ccggccagtc 180
gtcgttgcac gagaacaaac acataaatta aaacattatt acaggagtag ggtatttatt 240
gtattgttca ggccagaaaa atatgtggaa agtgggtctt taacttaatt cggaagaagc 300
atatagcact cc 312

<210> 27548

<211> 322

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-D10

<400> 27548

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cgacatggcg gccaccagca gcaagcagcc ggcagccgcc agaccggtgc agggcgcagc 120
cgccgcactg ctcgtgatcg ccgacgtcgc ggtgtccgtg ctcgacatga gcaccgagca 180

ggtgagcgac atgaacaacg agcagggtcaa gacgagccac cccgcgggccg ccacgacgac 240
 ggaccctcc gacgcgccgg cgcaggcgta ccgcaactcg ctgtccgggg cgcacaacaa 300
 gtgccggatc ggctacaaca ac 322

<210> 27549
 <211> 357
 <212> DNA
 <213> Zea mays
 <223> unsure at all n locations
 <223> Clone ID: LIB3067-034-Q1-K1-D11
 <400> 27549

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 atagtagcat tgggtcatat gggcaatcaa agcttgcaaa catattgcat gctaataaac 180
 ttgccaggcg atttgaggaa gataatgtca acataactgc aaattctctt catcctgggt 240
 ccattatcac gaaccttctt cgctaccaca gtatcctaga tgttctccat cggacgctgg 300
 gtaaattggt gctgaaaaat gctgagcaag gtgcggcaac tacatgctat ttggcac 357

<210> 27550
 <211> 372
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-034-Q1-K1-D12
 <400> 27550

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 gcaaggtctc cctggtgcgc gcgtgctct acatcgtggc gcagtgcctc ggcgccatct 120
 gcggcgctcg cctcgtcaag gcgttccaga gcgcctactt cgacaggtac ggcggcggcg 180
 ccaactcgct cgctccggc tactcccgcg gcaccggcct cggcgccgag atcatcggca 240
 ccttcgtgct cgtctacacc gtcttctccg ccaccgacc caagcgcaac gcccgcgact 300
 cccacgtccc ggttctggct ccctcccca tcggcttcgc cgtgttcatg gtgcacctgg 360
 ccaccatccc cg 372

<210> 27551
 <211> 341
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-B3

<400> 27551

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 gcggcgagca ttgcaagcca agctgcaggg gtccggagcg gagaccggag gagggagacg 120
 tcgcttgca tgtcaccggc agcatccgcc gccgaaacca tcgtcgtcgc aatcgcaagc 180
 gtcccagacc agcagcagag cagccaccgc gccgcggcgc cgtccgtccc gtcgtcctac 240
 gccgtctggg agaaggagcg gtaaggcgtc tgcagcttta cgacgtcgtc gtcgtcgtcg 300
 tctgccacct acctactgct gctgctgctg caaggggaag t 341

<210> 27552
 <211> 427
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-H5

<400> 27552

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 gaggcggagg atctggtgga ggcggcagca gcggtggagg cggcggatct ggtggtggtg 120
 gaagcggtag cggcggcgga tctggcgggc ggccgacgag cggtcgttgc cccgtggact 180
 cgctgaagct gggcgtgtgc tccaacttgc tgaacaggct gatcaacgcg accctgggga 240
 ctccgtccag gacgccgtgc tgcacgtga tccaggggct ggcggacctg taggcggcgg 300
 tgtgcctatg caccgtcctc agggccaacg tctgagcat caacctcaac ctgcccata 360
 acctcagcct tctcgtaaac tactgctgca ggcgcttacc cctcggctta cagtgttct 420
 gactatt 427

<210> 27553
 <211> 424
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-H6

<400> 27553

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ataaaaaatgc cgcgaggcca ccacgcgaga cgaacgcaaa cgaagtgcgg aaaataggcc 120
tcttttttct tctttctgta gagatatttc ggaagaggga gtgcgtgcct tcctctcagc 180
tgattcgccg aggacacgag atcctctaga gggttgtgct gtttggcgtg aggctttagg 240
ggcgatttgc tttgctcgca tgggggatca tgctgctgtg gatgttgggg agctcgttgc 300
gtcccagatc ggtgaggcag cggggctatt gtccggcggc aaggaagaaa cgaaggcgct 360
ggctgggatg gtggagtgcc gcatttgcca agaggaggac ctcgcaaaga acctcgagag 420
cccc 424

<210> 27554

<211> 366

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-H7

<400> 27554

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ttcgtgggtg agcggatcga gatggcagca tcagatgttg agtaccgctg cttcgtccgc 120
ggcctcgcct gtgccactga cgaccactcc ctccacaacg cttcagcac ctactgagag 180
gtcctcgagt ccacgattat tctcgatcgg gagactcata ggtcccgcga cttcggcttc 240
gtcaccttct cactgagga ggcgatacag aacgccatcg aaggcatgaa cggcaaggag 300
ctggacggtc gcaacatcac cgtaacgag gccagtcgc gcggcggacg cggaagctgc 360
ggctgc 366

<210> 27555

<211> 390

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-H9

<400> 27555

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atggtgcaag aagctgattg tccagaagag gagggctgcg ctcaagtact ttgacagggtt 120
caaggctcatg ctgtcaagga tcaagagggg tgggtgctatc aggcacgagc tcgccaagct 180
gaagaaggcg ttcacggctt aagtccattt tgggtgatga catgtcagct tctgggtttca 240
tggttgatca gcaatctggt ttgagtgttg tcaaagccag aatcagtaat atgttctctg 300
cgtaccggtt ctaaacttca tcaagaatga ctgtgctctg gatatttcgt cgggacatga 360
tatggaacac ttaaaagttc gctgtcaaaa 390

<210> 27556
<211> 238
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-A1

<400> 27556

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cgcgatctcg gttacgttta catgagtctt gctgcctaac atacatctgt gttctttttc 120
taggctgaga gaaactnaac tgatcgagtc tgtctggcag gcatcgatct atccagtcgt 180
cagttcgtca catccgcttt ttcgtatata tcatcttcag atnttggtca tctgtcaa 238

<210> 27557
<211> 347
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-A10

<400> 27557

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gancngcngc cagaagangg gangncaaca annagcaaaa gaaggcgaac gngggnacca 120
caacngganc aacagcctat gaggaaannn ctggcttttc acaacacaca ctgcagtcac 180
ttacagtgga gagattgcgt gcacttctac gacaaagtgg tcatcgacc aaaggcaaaa 240
aggatgaact gattgctcgc ttacgggagt cgcagggttg acatgaatct ggtacttgtt 300

tagtcaatca aacccttca ggctagggtt acacgaccaa atgagta

347

<210> 27558

<211> 169

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-A1

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actgacaata gattattgac cgcagccaaa tctattgtgt ctctggccaa ataaatattt 120

aatcaciaag aattctataa ctcaaaagt ctaaagctgt tttgttacg 169

<210> 27559

<211> 350

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-A2

<400> 27559

cccacgcgtc cggaaactta agcgcgcgat tctaccaagt gatattacaa taaatattgg 60

aaaaggagct ccagtccttg agtgcccgat acctggagaa agttggaaag aagtcaaaca 120

tgacaatact gttacatggt tggccttttg gaacgatcca attaaccxaa aggatttcaa 180

gtatgttttc ctggcagcaa gcagctcact gaaggggcaa agtgacaaag agaagtatga 240

gaagtccaga aaattgaagg gtcatatata aagaattcgt gagaattata caaaagattt 300

caaaaacaaa gatgtgacga ggaggcaa at agctgtggca acatacctta 350

<210> 27560

<211> 297

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-A3

<400> 27560

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tggtcagtac gtagtaccat ggcaaaaagt ggcactctgc tggccctaac ctctctttt 120

cgcttcgcga cgcacgcccgc tgcaggtgcg gcggatcctg ccctagtcca ggcgggggtgg 180
 cgggtggcggg ggagatctgg ggtggtgggtg gtggaagcgg ggggtggagt ggaggggggt 240
 cgggtgggga gtggggcggg gatctggtgg agcggcagag cgggtggggcg gggatct 297

<210> 27561
 <211> 214
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-A4

<400> 27561

gccgctcgac cgccgacaca tcagcgcaca cgtgggcca cccctccgca ggcgaggagg 60
 cgagcatcgc ggataccgag cgggacgtga aggcggagga tacggagacc gacgacgccg 120
 tgacggccgg cgtcgatacc gccgtcgagg ccgacgttac gccggcggac gcggttacgg 180
 ccatcatgca atcggatgcc aaggtctcaa ccga 214

<210> 27562
 <211> 378
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-A7

<400> 27562

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 cggcggcggc tacggtggcg gcggtggcta cgggtggtgt ggtggcggct acggcgggtg 120
 caaccgtggc ggcggctacg gcaactccga cgggaactgg aggaactgag cgggtggggcc 180
 cgcgcgccca agttatcctg ttcgctaccg tgatgtttac cctagtccag agggttttatc 240
 ttcgttcgtc tcgtttgttg ttgccatct gtgtttttga ttgcaaggtc gctctgtgtc 300
 agttgttagt gctgtgttca tcctcggtc cagcagaccc atgcatcaac cagcatggac 360
 tgtggatcga tggatgct 378

<210> 27563
 <211> 417
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-A8

<400> 27563

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attctgtcgc cctatacagt gacgcgatga acatcttccg taagaaggaa gtggcctgat 120
ctcagatttc aaaagtagtc agtgctggat gaagaatggt ctgcgaatgc aagactcgat 180
ggtagcaagg aaaacgatgc gcttggattc cgtgaaggaa cgattttctt gtcagcacct 240
cagaatttgg ccacttgaaa gaatctgatg cttgaagttt cctggttctg tgtacacaag 300
tcggctcaat gtcagaattg agccgcttga aatatattta gttatattct atgctggagag 360
taagtcttgg aaacagcctt ttccacaata atgtacagtt attatgccaa tttctga 417

<210> 27564

<211> 403

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-034-Q1-K1-A9

<400> 27564

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gctgggggat ctgcacatcc cgcaccgggc gcccgacctc cccgccaat tcaagtccat 120
gctcgtgcc ggcaagatcc aacacatcat ctgcactggc aatctctgca tcaaggaagt 180
ccatgactac ctgaaaagcc tttgccctga tctccatatt accagaggtg aacatgatga 240
ggatgctcga taccxaaaga ctaagacact tacaattggt cagtttaagc ttgggctgtg 300
ccatggccat caggttggtc catggggcga cctggactcc ctggcgatgc tccagcggca 360
gctggacgtg gacatcctgg tgaccgggca cagcaccag ttc 403

<210> 27565

<211> 377

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-B1

<400> 27565

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tgcattggcta cggtgacaaa tcttaagaat ccagtgaaca agtggcgatg cggcgcgact 120
 cctatttctt ttatgatgac tgtgaagcga tggtcgcgtg gcccttcagc caccctaaatt 180
 ggaaagcccg ctgttcacat ggctagcgtt gacttgaaag gaaaagcata cgatgtgttg 240
 agacagaatt cttccagctt tttgttgga gatgtctaca gaaaccagc cccgctccag 300
 tttgaaggac caggtgccga ttcaaagcct atttgattgt gcgttgagga tcaagactat 360
 atgggcatga ataaaaa 377

<210> 27566
 <211> 166
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-B10

<400> 27566

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 tgatgctgcg agatgcatgt gtgtcttttg tttcacgttg cattgcatag gcaagtcgag 120
 atgatgagtt ggcgttgtac actaagatga accatgtttg tgcaat 166

<210> 27567
 <211> 365
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-034-Q1-K1-B12

<400> 27567

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 gcagcgcgcg ccatcgccgg agtgaggcat gttggcggag atatgttcaa gtccatcccc 180
 tccggtgatg ccattttcat gaagtgggtt ctgacgacgt ggaccgacga cgagtgcacg 240
 gccatcctga ggaactgccg cgcgctctg ccggacggcg gcaagctcgt ggctgagcag 300
 ccggtggtgc cggaggagac ggacagcagc accaggacga gggcgctgct ggagaacgac 360
 atctt 365

<210> 27568
<211> 354
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-034-Q1-K1-B2

<400> 27568

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tccccgcgcc cagagacaag cccggagacc atggcggacc agctcactga cgaccaaatac 180
gccgagttca aggaggcctt cagcctcttc gataaggacg gcgacggttg catcacaacc 240
aaggagcttg gaactgtcat gcgttcactg ggtcagaacc caacggaggc tgaactccag 300
gacatgatca atgaggtgga tgccgacggc aatggcacga tcgacttncc cgag 354

<210> 27569
<211> 398
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F7

<400> 27569

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ggtaattctg ctgcatgttg aggtgcctac atgacaagtc tataatagca taggacgctg 120
agattctcat ggtctgatgc acatcctgta actgaaggtc agatgcacag attctacagt 180
gagcactgca ttctggtgac tctgtgctca ttaagcgaac ctgaatcatg catataggcc 240
aaagatttta cacctacaga tagcactgga gcattccaat tgctggaaga tcccataaaa 300
cctaaccaat gtccatgctt acaccatagg ctattttcag ctgtgaatct tatgtcaaga 360
ctaagtcata ctaggagcac tttattgccc catgtgct 398

<210> 27570
<211> 417
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-033-Q1-K1-F8

<400> 27570

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gcccggccag cccctcccc tgttttcctt cccatctcat cacaagcaga agaaaatcga 120
gataacgaga gctagggttt tgattccagt actcacgccg catcctgtct ccttctgccc 180
ctccctctcg gcaccgtett cgtccctca ttctctctcg cgatcatccgg cggaggctcg 240
aggaaactga ggccgggagc gccccgaaga atattctcca cccagtcgcc gacacccctg 300
cgcgcgcgag agttaccatt gtacttgtgt agcttggcag ttgngtgact gtgtgacaaa 360
cttgagctat gtcataattac gaaagaaagg gtggagacag gggtagtggc cgtattc 417

<210> 27571

<211> 431

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F9

<400> 27571

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gagagagttc aggctgaaag aaatatttct atgcagcaga aagaaaacgc agaagctatg 120
ttgagtacta aagaagaact ggaagcacag ctgtgttcag caaccactga aatggggaaa 180
ctgcgtgaca tgggtcaaagc actagagaat gaggtcaaaa cggagaaggc actgcatgaa 240
gaactaacag cacatataca gataaagggt gaagcagctg ttgatgcagt taaagaacca 300
ttggaagcac aactgtgttc aacaaatact gaagcagaga agctaagaga tgttgtcaaa 360
gcacttgagg atcaagtaga aaaagagaag gcattgtgcg aagagcttgc agcaaaggta 420
gagttgaaaa c 431

<210> 27572

<211> 419

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-033-Q1-K1-G11

<400> 27572

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 gaccagaaga ggcttaagca gccactctac cgccacccat gggaggatgt cctgtacacc 120
 aagtgagata gagccattct ttgcaaagca taaagtatta ttgccgctta gggctttcag 180
 ctgtctgtac acttcataaa tcgagcagtt gcaaaaaaag ctcgaaattg tgattgttga 240
 tgaagttagg ggcaggggga gagacatcga ggggaggcac tactagattg tgtgttttgt 300
 gtcgagtcgt ttcacgatat acggcctcag aatagaagtt ccctttgaaa tgaagtaacg 360
 ctcgctgatt tatgagttga taaacataat tgagaagcan aatgatggat cttggaaaa 419

<210> 27573

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-G12

<400> 27573

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 aaaaggatcc aggaggttcc agcaatgaag gttactgccc tgagggtcac ggagacagca 120
 agggccagga ttgtcaatgc tgggtggcgag tgcctcacat ttgaccagct tgctcttcgt 180
 gctccacttg gcgagaacac tgtcctcttg aggggcccc aagaatgccc tgaggcagtg 240
 aggcactttg gcaaggctcc tggagtgccg cacagccaca ccaagccgta tgtgcgctcc 300
 aagggaagga agttcgagaa ggctcgtggc aggaggaaca gccgtggatt caaggtttaa 360
 aacaaattgt ggccctccgt gttgccatca gcatagtga accgttgtgt ttgatcagtc 420
 gacagt 426

<210> 27574

<211> 411

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-G2

<400> 27574

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 aacatggcaa aactgttgag cctgttctta gccctctcct ttgtagcagc tatgtttgcc 120

ataggctctc atgctgatgg agactgtgag aatgacctcc aaagcctgat aagtgactgc 180
aagacatacg tgatgttccc agctaattcca aaggtccctc cttcggatgc ttgctgtggg 240
gtcatcaaga aggcaaactg ttcttgcttg tgctccaagg tcaccaaaaga aactgagaag 300
gttgtgtgca tggagaagggt tgtgtatggt gctgagcagt gtaagaggcc atttgagcat 360
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<210> 27575
<211> 437
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-033-Q1-K1-G3

<400> 27575

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cgtgttgacc atgctgttga gcttgcgcac tttgcctgt tctttaacca gggacaatgc 120
tgctgcgctg gatctcgac gtttgtacat gagcgtgttt atgatgagtt tgtggagaag 180
gccaaaggctc gtgcattgaa gcgcgtcggt ggtgatccgt tcaggaaagg tgttgaacag 240
ggcccgacga ttgacgacga gcaattcaaa aagatcttgc gctacattag gtatgggtgtt 300
gacggtggag ctacccttgt gacgggtggg gataggttgg gtgacaaggg tttctacatc 360
cagccaacga ttttctcaga tgtccaggac ggcattgaaga ttgctcanga ggagatattt 420
gggcctgtgc agtcgat 437

<210> 27576
<211> 438
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-G4

<400> 27576

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ggcgtccaag gttgagctgg tgggtggagg caagtccccg gctgacaagc tgtgggcggc 120
gctgcgcgac tccacggagc tgttcccaaa gatcttcccc gagcagtaaa agagcatcga 180
gaccgtcgag ggcgacggca agtcggcccg caccgtccgc ctctcaagt acaccgaggc 240

ggtgccgatg ctgacgttcg ccaaggagaa gcttgagacg gctgacgacg agaacaaggt 300
 ggtgtcgtac agcgtggtgg acggcgagct ggcggaactt tacaagaact tcaagatcac 360
 gctgaagggtg acttcggcca atgccgacgg cgagggctgc gccgtcgtca gcttggccat 420
 ggagttcgac aaggccaa 438

<210> 27577
 <211> 444
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-G6

<400> 27577

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 ttctggacct cacaagtcca gggagtgctt gcctctgac ctcattatca ggaacatgct 120
 caagtatgca ctgacgtacc gtgaggtcat ttctatcctg atgcaacacc atgtacttgt 180
 tgatggcaag gtcaggactg acaagaccta ccctgctggg ttcattggtt aagctctgca 240
 aggtgaggtt tgttcagttt ggccagaaaag gcatccccta catgaacacc tatttggtgt 300
 acaggaaaac atagaatgga attcaaattt ggtggccgca aaagtgtgga gacttgaatt 360
 catataaagt taggcttaac attagtgcaa acagttgtat tttagtttag atttagagta 420
 cacttatgta tgcgttggtt gaca 444

<210> 27578
 <211> 383
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-G9

<400> 27578

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 atataatata gggccggcct ttttaaattt cccagcttta cttccccttc cttccgactt 180
 attacttctt ttttgttgcc ccctaattta atttctggc cgtctttttt ccaacttgcg 240
 tcctggaaaa accgtgggtt ccccaaattt tttccccttg ctgcacttcc ctttttgtcc 300

aacttacttt atctttatcg gccctttacc ttttgcctt ccaaacattt cccccacctt 360
attgcctaatt ggtccccccc ctt 383

<210> 27579
<211> 325
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-H10

<400> 27579

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cttccaaact tatactctggg ttggtttgga ttgtgatgaa ctaatggctc tttgaatgta 120
tattatgatg ttgacgatat tcggtgaaaa aagaatatca agcaaaaagc tcaacaaaaa 180
agaaaaaagc aaacaaaggt aaagcgcact aggggtggccg acctgactgc cgcttgcttg 240
ctacggcatc actcttctat ggtagcacgt aaacagagtc acctagacga atatgtacac 300
cgtattcact ggccaaactt catcg 325

<210> 27580
<211> 432
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-H11

<400> 27580

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gcacaatcct ggatcgtcga ataacaactg ccgcctggac agcagtagca aacaccttcg 180
gatattgctc cttttttgca ggctgtttc tcgcatttgc agaaacgaac aacgttccga 240
gagtatgcag gaatcatcaa acttcctagg atcaccatca agagcaggac agccttgctt 300
gcttccattg taattctcgc catataagga ttttttttct caggagccgt gtgcagtgtt 360
gttgtgcttc atgaggggtct tgtgcttggc cgtgtcggag gctgcaagaa tccctactgt 420
actttttttc tt 432

<210> 27581
 <211> 433
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-033-Q1-K1-H12

 <400> 27581

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 ctctaggccc ggccggccgt cgatcgcttg cctcttcccg ccgcggtctc gtcggaccgc 180
 gggcggcctc gcgcgttttt tcggccgccg cgcacggacg cggcgcgtgc ggggctgccg 240
 gcgctctgctc tgctcgctgg attggacgga acacgccatc attgagtcag acaaactctgg 300
 acgtcgacga gctgtggcac caggacgcgg cctgtacatt gatcttgggg gggcctcgtt 360
 gtgaaacaca aacttgaaa tgtcacggag cttaacgaga tccactgtgg tactctacta 420
 gcatacaata cac 433

<210> 27582
 <211> 443
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-033-Q1-K1-H3

 <400> 27582

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 caacttcaca cggttttcac atgacagctt tttaggaat cctggactct gtggatattg 180
 gcttggttct tcatgtcgtt cactggcca ccgagacaaa ccgccaatct caaaggctgc 240
 cataattggt gttgctgtgg gtggacttgt taccctctg atgatcttag tagctgtatg 300
 caggccacac catccacctg cttttaaaga tgccactgta agcaagccag tgagcaatgg 360
 tccaccaag ctggtgatcc ttcatatgaa catggctctt catgtncttg atgatataat 420
 gaggatgact gaaaacttga gtg 443

<210> 27583

<211> 274
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F6

<400> 27583

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aatattagct tttgctgtac attctgtaaa ttttccggtt gactaggatt cttcttttga 180
cgtaacattc agctaacttt ttgtacatca agcgaacca gaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaaaaaggca aaaa 274

<210> 27584
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D7

<400> 27584

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tggatggaaa gagctttagc aacgaacagc aagcccaaca aaagaacca gacgcagtga 120
caaacagtgt tccgagccaa ggccaggagc ccttgaacac gtttccagat tcagactatg 180
gaaacacgaa caccggtccg ttgaatggcc atgcagcagc tcatgtgaac atggaagctg 240
ccatcttcac ggaggacgtc atacgggctg gcgggttcgg tgcgaaggac gacattggca 300
gccttcttcc gactgcaatt gattccaccg attttgaggc ctcgctgcgg gatgcccgtg 360
gtttcgaggg cgagaaagcg gcgccgtcgc atcctggact aggggtggaag ggggagaaag 420
ctgatggtgg aaccaaactg gcagatgt 448

<210> 27585
<211> 448
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D8

<400> 27585

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cacgtctggt cagatgctgt gacctgaca atctccacaa gtggggtcca ggccagtatc 120
aacgctctgg gatcaaccgc cactgttctc acatcagcag atgtgatgga tgaaaactcc 180
ttcagcaacc caaccaaggt tgtgccggtg aagagcgatc tgagcaatgc tgcagagcag 240
atgcaggta cgttggtctc tegtctctc agctcggtcg atctcgccct ggctcagtcc 300
aagctttagt cggagatgtg agctaggctg gtacactagt atacaatata acgtgtgaag 360
tgtggtacac atataccagc aaccacaggg gttgccaagc tgttgtagc atcttgaaca 420
catggctttg tatggtgtat aatgacat 448

<210> 27586
<211> 259
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-E10

<400> 27586

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ttttcttcta tattacagat attcaatcta tactatagac tctacaataa tgaccaatac 120
actaagcaga cagaatttaa aaatagaatt ctgagatata caactgtgcc tcctattcca 180
tgaacccccca tatctcagca actcattcta tagtcttacc actgtaaaga caactattca 240
taacaccaat ttcatatat 259

<210> 27587
<211> 427
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-E11

<400> 27587

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tctctgtctt cgctcggcga tctatcaagg aggggtgagg ggagatggcg gagaatccgc 120
agctgtttgg gaacgggatg ccggtgccgt tctacggcga gatgttcgtc ctgctccgcg 180
acggcgtcga gttccacgtc gacaagatcc cgtcagctcc tggaggtcat gtgaaaacaa 240

aaggcacaat ttacctgtcc aatataagga tgggtgttgt tgccagcaag cctgttggca 300
 acttctttgc ttttgatatg ccactgttgt ttgtgcatgg tgagaagttc aatcagccca 360
 tatttcaactg caacaacatc tctggattcg ttgaaccagt cgttccagac aatcagaaca 420
 gggccct 427

<210> 27588
 <211> 353
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-033-Q1-K1-E12
 <400> 27588

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 aacaagcagc cccacacggc ggagatggag aaagagggcc ctgtcgtcgt cgagggcgct 120
 gtagatcctg agcccagacc cgagcccaaa cacgcggcgc acatggagcg gagcaggtcg 180
 gaggcggatg cagaggcgaa gctgccgttg ctcccgtcgc gtctgcacaa gtccgccagc 240
 gacaagtcgg cgttcgcgca cttcggcgcc taggaggtgg aggagaccgt gcgcgcggtg 300
 gatgcgctgc gccccgcgac gacgagggag aaccgcggtc ggcggtctcc cgt 353

<210> 27589
 <211> 374
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-033-Q1-K1-E2
 <400> 27589

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 tctggtaatt attattgcag tggtcagttc aaagcataag gaaaccagta gcaccagtgg 120
 gatgcgagat agtgttgaaa caagtcctgt cttgcagtac agggcccata cagtgggtgcc 180
 aggtcaggtg ttgaaaatgg aagaagctat caagaaccgt gactttgaat catttgccaa 240
 attaacttgt gcagatagca accagtttta tgctgtatgc ttagacacga gctctcgcat 300
 gttctatatg aatgacacgt cacaccggat aattagcctt gtggaaaaat ggaaccactc 360
 agaaggaacc ccac 374

<210> 27590
 <211> 413
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-E4

<400> 27590

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 tctatcgtct gttaccgtc gatccctccc cggatcaact ggctcggtag ctagtgggg 180
 ctagctagct atataaggaa tcaccatgaa tccaccacac gtgcactaga tacagagaca 240
 tgacgacgag tacacgatcg aggtttcagg ccaccgcgtt cactccagc agcgccacg 300
 tatccacag gtccggagtg ggcgacgag aggggtcgtg catgccatcg tactcgtag 360
 cgacgtggtc gtagtactcg ccggtcgccg tcgagtcctc ggaggcgtct act 413

<210> 27591
 <211> 445
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-E6

<400> 27591

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 tcatcgcgac tatgcagaac ctgaaggccc tgggtgtgat caactactgc agcggcagcg 180
 cggccctgga caacctctcc gccttcacca cgctgagcgg gctgaggagc ctgtggctgg 240
 agaagatcat gctgccgccc ctgccccaga cgacgatccc gctgaggaa ctgcacatga 300
 tctcgtggt cctctgcgag ctgaacagca gcctgagggg gtcgacgatg gacctgtcga 360
 cgacgttccc ggcctgtcc aacctgacga tcgacctg catagacctc aaggagctgc 420
 cgctgagcgt ctgccagatc gggtc 445

<210> 27592
 <211> 435
 <212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-E7

<400> 27592

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acaatgacct ctggttgact ttgaaggatc cttccgttga aaactaaaca atcgcttgta 180
tgaagtgtcc tagctcatga actgcttttc tttggggcat tcaatttagt gagcttagga 240
tttcagcagc tacgttcagt tgtaactggt ccatagtaga ttaggaagac tggcgatcat 300
ttttatgtcc attttctgcg actatggata gcatgagtat tctgctggcc tgaattcccg 360
gtgtaaacgg cttctgaaat tttgaatcat tgataaacta atagtgtttg gtttgaggaa 420
aaaaaaaaa taaag 435

<210> 27593

<211> 426

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F1

<400> 27593

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gggtagaagt agagcgtcaa gaactagaag tcaactgttc gagtgaaaat gtagttgttg 180
aggatgtaac ttctccagga attgcaccat tgccgtcatc aagcccaaga gtgcgtcatt 240
cgttgtcaca aatgctgcaa gcagatagca atgaaccaga aattattgag tggggaaatg 300
ctgaaaacc acccgcaata gtttttcata aggattctcc aaaaggattc aagaggcttc 360
taaagtttgc tcgaaaaaac atgggagaca acaatgctaa cggctgggca agcccctcgg 420
tagttt 426

<210> 27594

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F10

<400> 27594

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agcacctgga gaaggtgatc agcgggtctgc tgctgggctc ggcggtggcg ctgggggtgga 120
agtcgtccga gcagcagcgc gagatccaga gcctgttggc cgagaagagc tctctccgag 180
ccaccaacgc ctctatgtcc gccgccatgt gggcctggcg gcaggagctc ttgcacctcg 240
ccgccgagcc ctctacacc atttacgcgt cccggctccg ccacatctac tgcgaggagg 300
agcccgcgcc gatcgcgccc gcgccgcgc cgtcaggagc aaatgatggg aaggaagagg 360
aaccgatctg catagcctga 380

<210> 27595

<211> 318

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F12

<400> 27595

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gggtccctttg gccaatcgca cgacacgagc atgggtcaac gcgacaagaa ggatgagccc 120
acggagctgc gggcgccgga tategcgtc tgcgccaaca actgcggctt cccgggtcaac 180
ccggccacgc agaacctgtg ccagagctga ttctcagcgt cgaggtcgta gtagtcgtct 240
tagcagccgt gactaactc ctctgcctga gattacgagc cggccgacgc ggtgcctcag 300
ccgaggccgg cgctaatg 318

<210> 27596

<211> 354

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F2

<400> 27596

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cgggtggggt tgttgccata caactctact gacgatgaca tgggcatctc atcatctgcg 120

tgggtagaag tagagcgtca agaactagaa gtcactgttt cgagtgaaaa tgtagttgtt 180
gaggatgtaa cttctccagg aattgcacca ttgccgtcat caagcccaag agtgcgtcat 240
tcgttgtcac aaatgctgca agcagatagc aatgaaccag aaattattga gtggggaaat 300
gctgaaaacc caccgcgaat aagttttcat aaagattctc caaaaggatt caag 354

<210> 27597

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-F3

<400> 27597

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gatgagaggc ggagattggt ggcgagatgt acaagcagaa atatcatcag caaacaaaag 180
gtactacagt aggtaaatta cctactgtag taccaggtaa aggacaagag acgattccct 240
ggtaagagat ccacttgtcc cgttccaccc ttactttccc tctctctgct gctcgcaaat 300
atccatcttt gaaaccatat atcatcctgc aacatgaatc catccttgag tcctaaaccg 360
gtgttcctat catttgctac tgcaaagggc ttctctttgc atgcttcagt cacatgaatg 420
atgagctcg 429

<210> 27598

<211> 446

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D6

<400> 27598

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ctgaggctgc aaatgaagaa cagaaaaccg agagcctgat gaggctctcc tgggcgcttg 180
ttcactctag acagcctgaa gacgtcaacc ggggcatcgg aatgcttgaa gcttcattgg 240
acaggtctag cagcccagag gaaacaaggg agaagctcta cttgttagct gttggtcggt 300

acagaactgg ggattataca agaagccggc agctttttaga aagatgctta gagatccaac 360
 atgactggag acaagccata actttgcaaa ggctcggtga agaaaaaacc aaaagagatg 420
 gtatgattgg catggctatc attaca 446

<210> 27599
 <211> 70
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-B9

<400> 27599

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 atttataaaa 70

<210> 27600
 <211> 367
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-C1

<400> 27600

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 ccgcagctcc cagtttctgt gccagtgcaa gcgcccctga ggatgtgggg tgggaggagg 180
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 ctgacggtgg agattgagaa cctgcctgag gacaaagtgc tgaatgtgct gcaaattgtg 300
 cacaagagga acagagatcc agcattgtcg gcagaggttg tggagctaga tttcgacgag 360
 ctggata 367

<210> 27601
 <211> 406
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-C10

<400> 27601

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 cgacgtgggt gccgacctct tcggtcgct ctctccgaa gtgcgcaccg gcttcgcgcc 180
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 caatttcag ctcatcttgt cagctctaac atttcttggt gtattccttg ctgagagatt 360
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<210> 27602

<211> 386

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-C11

<400> 27602

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 atggaattat aaagatagcc gattttggac ttgctaggat atatcaagct ccaactgaaac 180
 cattatgtga taatgggggtt gttgtaacta tctggtatcg tgctcctgag ctgttacttg 240
 gggggaaaça ctacaccagt gctgtcgata tgtgggcagt tggttgcatt tttgctgaac 300
 tgcttacact gaaacctcta ttccaagggtg tggaagcaaa aaatccttcg aaccattcc 360
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<210> 27603

<211> 426

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-033-Q1-K1-C12

<400> 27603

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 gacatcaagc agaggcttgc agagactgat tcaaagccag aggacaaggc aatcaaaatt 120
 aacaagccag accagggttc cgaggacca gctgccagc gatctgcatg ctgcggttca 180

taagcagacg cacgatagcc ataatcattg gttatttgac actatattatt tcctgcttgg 240
cttttatagg aagaatttga ggaagccact tatgatatac tgatgatgtg gttgtactct 300
tgtttgcttc cactcttcga agcaaacacc tcttgctgtt gacgtagcta ttgcactctg 360
gacatccggtt ggaacaacct gtctnctncc tacagactac agtgtgtaat ggacgaattc 420
catgtc 426

<210> 27604
<211> 415
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-C2

<400> 27604

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ggcggctgag gaggaaagca ggcaggccat ggcgtcgtcg tcgtcgaccc cggcggccgt 120
ccgcgagatg cagaaggatc tcgaggtcca ggccaacgcc ctcagcaaga tccagaaaga 180
catcgccaag aaccaccagg tccgcaagca gtacaccatc caggtcggcg agaacgagct 240
cgtcctcaag gagctggagc tgctcagcga tggggccaac gtgtacaagc tcatcggacc 300
tgtgtcggtc aagcaggacc tcgcggaggc caaggccaac gtcaagaagc gcatcgagta 360
catcttcgca gagctgaagc ggatggatcg ggcgtcaaa gacttggagg aaaag 415

<210> 27605
<211> 394
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-C3

<400> 27605

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ctgggggccc gcaacttcgg cgtggcgagg ctggtcaggg acaagcggac caaggagctg 180
gtagccgtca agtacatcga gaggggcaag aagattgatg agaacttgca gtgggagatc 240
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cccacacatc ttgctattgt catggaatat gctgctggtg gagagctatt tgagaaaatc 360
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<210> 27606
 <211> 436
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-033-Q1-K1-C4
 <400> 27606

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 caaggtcaag gctggtgact ctactctgga ggagcttacc actgctaccc aggtacaggg 180
 tgactacatg ccaattactc gcggtgagaa gcgctctgta gaggttgtga aggtcacaga 240
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 ccttggtgcc cgccagaaga aggcagctga tgcagaaaag gaagacaaga agtgaagcca 360
 ccaaactttg tagccctggtt tgttctgttc agtcatagct agatgctact tccattaagt 420
 gcttggtttca agtttt 436

<210> 27607
 <211> 301
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-033-Q1-K1-C6
 <400> 27607

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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 120
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaataaaaaa aaaaaaaaaa aaaaaaaaaa 180
 aattaaaaac aaaaatccct agaaaaaaca aaaacaattc accaattaaa cacaatagca 240
 acccatttaa ataattaaaa cattccaaaa aaataaaagt tcataacata acaaaattca 300
 a 301

<210> 27608
<211> 142
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-C7

<400> 27608

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aaataacaaa tctacatata ggaagatttt ttacattac ccacaaccct tccctacaca 120
aaccaaaca aaaataaacc ac 142

<210> 27609
<211> 450
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D1

<400> 27609

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agcaggggca acgcagaatc tattgttcaa gatattgtaa acatgggttcg atcttatgtt 180
gacaagccaa attgcatcat cttggctatc taccagctt accaagatat atcaacgtca 240
gatgctatca agcttgccag ggatgtttat cttcatgtg acaggacatt tggagtctta 300
acaaagcttg atttgatgga caaggggtacc aatgctgttg atgtacttga aggagacaa 360
tatcgcttac aacacccttg gggttgaatt gttaatcgct cacaagctga tatcaacaag 420
aatgttgata tgctttcagc aagacgcaaa 450

<210> 27610
<211> 409
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D10

<400> 27610

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gatgcacaag gagaaagatt gaaagaagca cagaacataa acaaatcact ttctgcactt 180
 ggtgatgtta tatctgctct tgcaacgaag acctcgcaca taccctttag gaattcgaag 240
 ctaacgcact tgctccaaga ctactaagt ggagattcca aaaccttgat gttcgttcaa 300
 atcagtccta atgagaacga cgtgggtgaa actctttgtt cgttgaactt cgcgagcaga 360
 gtgcgaggca tagagcttgg acaagctaaa aagcaagtcg atattggag 409

<210> 27611
 <211> 405
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D11

<400> 27611

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 ccatgaccgg tttaagcgat cgctcgagga ggacgttgcc gcgcatgtca ccggcgactt 180
 gcgaaagctt ttagtgcttc tggttagtgc gtaccgctat gatggcccag aggtgaacac 240
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 tgatgaggag atcattagaa ttctgaccac acggagcaaa gctcagctac ttgcagcatt 360
 caatagctac taggatcagt tcaactcatgc aatcaacatg gatct 405

<210> 27612
 <211> 377
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D12

<400> 27612

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 gtcgatgagg aacaaggcag gcttgcctc agtaatcgca aggcaatggc agatagtcag 180
 gccagctag gtattggatc agttgtcttg ggaactgttg agagcctaaa accttatggt 240
 gccttcattg acatcggcgg aatcaacggc cttctccatg tgagccagat tagtcatgac 300

cgtgttcgag atatctcaac agttctgcaa ccaggagata ccctcaaggt tatgatactg 360
agccatgacc gtgaaag 377

<210> 27613
<211> 320
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D2

<400> 27613

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caaaacatgt tgataactta acggatgggt gagcttactg gactgacaaa aagtaactga 120
aaagagggca agctgaatct attgatcaag atattgaaaa catggttcga tcttatgttg 180
acaagctaaa tagcatcatc tcggctatct acccatctaa ccaagatata gcaacgacag 240
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caaattctga tctgatggac 320

<210> 27614
<211> 373
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-D3

<400> 27614

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gagctccgct ttgttctgat ggctgagaat tcgccaggat gtttcatttg tttctgacag 180
tattggaaca gttttccttc tgccgttgta gttgaggaat gattctgtag gatgtgttg 240
gggtgaaaac ttcctttttt cccccctttt aatcaggata gccctttgtg ggctcaaaca 300
ttgctgtaac ggctcgtgtg aaaattgccg ggtcatgggt taactaaaaa aaaaaataa 360
ttatttataa tat 373

<210> 27615
<211> 348

<212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-033-Q1-K1-B8
 <400> 27615
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 ctggaacatc cggacacggc tcctaggaag gcacacacgg ctaatcagaa ccggcattca 180
 tttgagagac ctgtaaaaat ttataactag gcatgttaga aatcgagcga tgagctgccg 240
 ctcaatacca agccagggct gaagtcgctg gcttgaaata gagagcatgt tgctcagggt 300
 tttcgatgga gctgtggaac tagttcagag gagactgatc tggcgact 348

<210> 27616
 <211> 211
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-033-Q1-K1-A3
 <400> 27616
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 aagatcgtgg ggtttgtact tgttctcctt tgatagctgg agtctcgatt tcgagtgcact 180
 tgtgcgggaa taacatatat actcaattcc c 211

<210> 27617
 <211> 444
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-033-Q1-K1-A4
 <400> 27617
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 aagggtggtat tccagtaaca agttgatata gaatgacacc aacactccac agatctgcct 120
 ttgcatcata cttctgacct tgcattgact ctggagccat gttaaagtgg gaaccacaaa 180
 gtgtttcggc tagggcaaag ggttgcaaaa attttgcaaa tccaaagtcg gcaatcttca 240

acagagtatt ttcattatatt tcaacaagaa gaatgttctg aggttttagg tctcggtgaa 300
ccacgttatt atcgcggaagc attttcagac cagatgctaa ctgacggatg aagtgccttag 360
caaccttttc agaaactctt ttatgacgtt gaaggatgc atgtaagtca ccacctcgac 420
aatactccag tatgagatat atac 444

<210> 27618
<211> 444
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-A5

<400> 27618

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cggcgggcggc ggcggcggcg agaagttggg cctgaagccc ggacgctttc tcccagata 180
ccgcaatact gctagagcac tgtcactaat gtttgcttat gacaatggag tcacctacaa 240
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agaaagataa tgctgaattt ccaaagggtc tgggtgcttct ctgagcgtat cttgacaaga 360
cagttcagca gaatgaagag ttactagact ccagtaaaat aaaggagtcg accactatct 420
ttcatggtca gaggggtgcct gaac 444

<210> 27619
<211> 441
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-A6

<400> 27619

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gggtcaggac agattggtgt gcttcataa catgattagt aagttttagt ttttcttct 120
tcttacttca gagatcttct aaagattgga actggagcag caaacatgt agaaagaaga 180
aaagttaacc gactacatgt tgaagtagtc atagtattg cacatattgc atctgattca 240
gattgttgta tggcaaattg ctgctccact catgtttgaa ccacgaagg tttagttata 300

cattttcatt tcctaaatag ttgtttctcc taggccctag tgcggtacat tccccatgcc 360
aagacaatct tattttaatt tgacaatgga aatgacttgt tcgtttgact tataacttac 420
taacagttca ataactctcg t 441

<210> 27620
<211> 426
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-A7

<400> 27620

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acttctgcca aagattggcc gccggctgcc caagggccag caagcaaaca gcttgcttga 120
cttgatgact ataagggctt tccatagcaa ggtactgctg tgctttggcc ttggaacggc 180
agtgggcttc cgcatcagga aaggggttct aaccgatatc cctgcaattc tttgcttcgt 240
tgctcgcaaa gttcacaaga agtggcttga tccggcccat tgccttctctg ccattcttgc 300
gggtccagga ggtatttggg gtgatgttga tgttggtgag ttttcgtact acggtgctcc 360
agctcaaact ccaaagtgcc aaatattcac agagcttggtg gataagttgt gtggcaatga 420
tgaatg 426

<210> 27621
<211> 447
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-A9

<400> 27621

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ctgcattcat ggggtggccat gcgcttgcca aatcggcagc tctgctccgg gaagttaaga 120
acaagcaaag gactaacctt gtgaagcgac tggagcctac agaagcgagg tctccacaaa 180
catcattgtg ggtaccacac ccaaggacag ggatctacta cccaagggc tttgaatggg 240
tcatggagga tgtccccagc agcgcagctt cattccagca gtcatactgg ttcaagactg 300
gggaggcaga gccagcaagc tctattacat caaagaatga ttctacttgc tttgaccatc 360

catttgcttg atatatgaga ggctttgcac tggaataaaa accattgaaa gacacagctg 420
tgtgctttca ggaagaaaag agataca 447

<210> 27622
<211> 410
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-B10

<400> 27622

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cgccctgggc agcgccgtga gcctctactt cgtggcggtg gagaggcagg ctcagaatcg 120
tgcgcgggcg gtggcgagg gcctcaaggc gctcgacggc gccggggatg acgtgtgaca 180
gcggtggacg ctgccgtgca gagggcctcc tttggttcac atgttcacag aacctcatag 240
cgttgcaata atgtactaaa catctgtgct cagtctttgt agaattaaat gtggatcaat 300
gtgagtgttc tcctatttca cataattcat ctgagccttt gttgctgcac agaaatgttg 360
atccgtgcca ctacgtgagt gttttcttat ttcacacaat ttgtccattt 410

<210> 27623
<211> 430
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-B11

<400> 27623

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agcgtgtata aactgagcga acgtgagcgg tcttcgcctt gtcctccgac tcttccattc 120
cattctattc ccgcttcac acgtcggctg gcgcccttcg cgatcgtgtc gtttcttccc 180
gcagcctgcc tgcgtgtggg gtgatggcta ggcacttcaa gtacgtcatc ctcggcgggc 240
gtgtcgcggc ggggtacgag gcgagggagt tcgccaagca gggcgtcaac cccggcgagc 300
tcgccatcat ctccaaggaa ccagtggccc cttatgagcg ccctgcactc agcaagggat 360
acctcttccc tcagaacgct gcaagactgc caggcttcca cacgtgtgtg ggcagcgggtg 420
gagagagact 430

Sequence

<210> 27624
<211> 404
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-B12

<400> 27624

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gatgactctg acgatcccg acgaggtgcg cgccaaggcg gaggtgtacg tgggcgacgc 120
ggcggggcag gagaagacgc ggctgctcct ccaggagacg ggcctcccga gcgggctgct 180
cccgtgctgg gacatcatcg agtgcggtta cgtggaggag acgggcttcg tgtggctccg 240
gcagcgccgc aaggtggacc actacttcgc caaggccggc cgccacgtga cctacggcgc 300
ctaggtgtca gctgtggccg acaagggccg gctcaagaag atcacggcg tcaaagccaa 360
tgagatgctg ctgtgggtca cctgcacga gatctgcgtc gacg 404

<210> 27625
<211> 104
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-B2

<400> 27625

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<210> 27626
<211> 393
<212> DNA
<213> Zea mays

<223> unsure at all n locations
<223> Clone ID: LIB3067-033-Q1-K1-B3

<400> 27626

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tacaggagaa gagccgatgg tatgtacatt atggtgttat aataggtggc attggagcaa 120

cactctacgg ccgcagtgcc cgactcgca cccagtgga ggtcactgat ggacaatgct 180
 ggtcaacaga accatctgag cggccaaact tacagagggt gnattaggct gcgctcatgc 240
 ggcatctaga aggtcaacaa cactagggac catctgcacg cataagttgt accagggcag 300
 cagtcagtca aacttgcatg ttacatccat gggccgtcaa ttcacgccat ccgccatata 360
 tgcctaggat ctgttcataa cccttcattt gtt 393

<210> 27627
 <211> 418
 <212> DNA
 <213> Zea mays

<223> unsure at all n locations
 <223> Clone ID: LIB3067-033-Q1-K1-B4

<400> 27627

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 ctgatccttt tgggtgcgct acaaagggtt ggccttggga ggacggcaca aattcggttg 180
 ccatggctaa gagaagaatg agagctcact ttgagttcat ggagaagctg ggggttgaca 240
 aatggtgctt ccatgatagg gatattgcc ctgatgggaa aactctcgaa gaaacaaatg 300
 ctaacttga tgagatagtt gagctggcaa agcagctcca ggtaggggt gagaccaata 360
 taaagccatt gtgggggtact gcacagctct ttatgcatnc tcgttacatg cacggagc 418

<210> 27628
 <211> 242
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-B6

<400> 27628

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 ttgaggaacc ttaatttgca gggaaatcct gtttccaaga aagacagtct tgtcaaaaag 180
 gttaagaaat ctgtgccaac cttgcgcata ctgaacgcat agcccctaga ggccatcttc 240
 aa 242

<210> 27629
 <211> 445
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-033-Q1-K1-B7

 <400> 27629

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gaaggcacac acggctaata agaaccggca ttcatttgag agacctgtaa aaatttataa 180
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agaggagact gatcgggcga cttgtcatct ttctgtttg ttttgctgcc ccggatatat 360
aaagttgtac agagatgacc ccaccagaca attgtcttta gtagataaga taactnttta 420
cagtcgagtg gccgacgttt tagtc 445
  
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<210> 27630
 <211> 423
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-033-Q1-K1-A12

 <400> 27630

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gactgggaga tcaagttcca ggccaagtac cccgtcgctg cccgactcgc cgtcgacgcc 360
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tgc 423
  
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<210> 27631
<211> 313
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-G3

<400> 27631

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tggaatgca gaagaacgag ctaccagaaa tgttaaggat ccatcgacgg aagaagcgctc 180
tgtgcttgcg aagaacattg actgggcctt ggtgatgact atctgaaaca gcagacgagt 240
cgctgcatac ctgcagtggg gcctgggatc tgtacacaat ttgtctccta tagactagcg 300
atggacgtaa cgt 313

<210> 27632
<211> 159
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-G5

<400> 27632

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cctaaattca atatctcttg tcaatttcta acaacttca 159

<210> 27633
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-G6

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tcttcaggac caccaatcga ggctgggggc ttcggttgctg ggaacctgtt cgtgctggtt 180

catttatatg tgagtatgct ggtgagggtca ttgatgaact caaagttaat ttgaatgaca 240
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<210> 27634
 <211> 279
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-G8

<400> 27634

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<210> 27635
 <211> 348
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-G9

<400> 27635

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 agacaagatg gtgaagctcg ccttcggaag cgtcggcgac tccttcagcg tcaccttcac 180
 caaggcctac gtggccgagt tcatcgccac cctcctcttc gtcttcgccg gcgtcggttc 240
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<210> 27636
 <211> 314
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H1

<400> 27636

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tcctgaattc taccgtgacg cctccagtct ccagtacggg aaggtgtcca atgtccctga 180
agaaaacatt gacaagatgg tcaaggaact caaggagcgg gaagagaagc ggaaatcggt 240
cagcatgagg cgcaagttta acgaagacaa ggacattgat tcgatcaacg accggaatga 300
gcacttcaac aaga 314

<210> 27637

<211> 222

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H10

<400> 27637

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atctccaggc cggctctggcc taagatgacg tctgcaaaga gcctgctggt cccacagaca 180
aattgacatc gctggcgatg ccagtgcacc agctggtgag ac 222

<210> 27638

<211> 313

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H11

<400> 27638

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tgagcagtca gcgtatcatt tagtgacctca gcaacatact tgtacattgc gggcgaggaa 180
aagaaggaaa catgtaaaat cagtccgagg gaaatggctc cagaaaagcc cctcagagcg 240
acttgttgcc tgatacaggt atcagaaact taacgcttta ggccaagaaa aagagaacag 300

tgagcgttct gcc

313

<210> 27639
<211> 314
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H2

<400> 27639

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gcacgtctcg tacagcggcc cttctttctt ccatctcccg gagcagcacg tagacattca 180
gctgccgcac catttccagc agcctgcgcg gaacgtccag atgctgtccc accccaactc 240
cctctcggat atggcgcagc aagactcgct tgggcggctc cgggggctgg acattggaaa 300
agggtccatg gcta 314

<210> 27640
<211> 324
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H4

<400> 27640

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tctagcaggt taaatgatct tgatctgcag ctaacgaagg agaaagagga atgccacagg 120
atgacctcaa aaattaaaaa gttccttaaa gcccatgctc gctttttgaa agcacaggaa 180
gaattgaaaa ggtcacaagc tcgttttgag agactcgggtg atttacttgc ttcagatatt 240
ctgaagcgtg gtgctaataga agaagtttct agtatcaatg ttgatgaaga tccaaatgtt 300
ccttatgaaa ggagcccaaa tgct 324

<210> 27641
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H5

<400> 27641

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actgaaatcc gtggacgaag ttgaggatga acgaattaaa caggctttga tttctcactc 120
ggaacaggca atcctttgca aaaacctggc cacgctgcgt tctgatcttc ctcattatat 180
ggttcctttc aagacagccg accttgatt taagaagcca caggatgatg gagagaaatt 240
cataaaactc ttacgagcat tggaagcata tgcagaaggt tcctcagtaa atccaatcat 300
cagaagagca gcctat 316

<210> 27642

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H6

<400> 27642

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tgcaaattgtg ctgttaacac agctgaagat tggcttaacc ctgttgccat acaagaggcg 120
tttgaagcca gggctctcag gatggcagta aactgtgccc agaacatagg ccaagcagca 180
aaccaagaag aaggtttcta tgagcgggtcc cctgatttgc tagaggctgc agtagctcac 240
atccagttgg tcattgtaac caagttcatt tcgaaggtgc agcaggacat tcctggacct 300
ggagtgaagg aacag 315

<210> 27643

<211> 314

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H7

<400> 27643

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tgcaaattgtg ctgttaacac acctgaagat tggcttaacc ctgttgccat acaagaggcg 120
tttgaagcca gggctctcag gatggcagta aactgtgccc agaacatatg ccaagcagta 180
aaccaagaag aaggtttcta tgagcgggtcc cctgatttgc tagaggctgc agtagctcac 240

attcagttgg tcattgtaac caagttcatt tcgaaggtgc agcatgacat tectggacct 300
ggagtgaagg aaca 314

<210> 27644
<211> 316
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H8

<400> 27644

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aagagcatga cgggcccggct cggcggcggc gtcagcatgg ccaacgccgc caacatcccc 120
ggcaagtgcg gcgtctccgt cggcgtgccc atcagcccca ccgtcgactg caccaagatc 180
aactgatcga tggaaccata gtggaggtag ctcgctcggt ggatggcagc gtacgtggcc 240
atcagcagca tgcagtcgtc gtcgtagcag agatgtccta gctacgtgtg tgtcatgcat 300
cagactggca cataat 316

<210> 27645
<211> 206
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-H9

<400> 27645

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ggtggtagag cgagaggctg agaagatcaa tagcatcact gtgtctgcga ttctagttat 120
ccaggtcact ctggtctctg atgacagctc ctaaggacct gctggtctct ctacgtatta 180
gctgggctgt tgctgccagt gcacta 206

<210> 27646
<211> 251
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-A1

<400> 27646

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 agtgataata ataataatac gccctctcct aagccatgta ctcgggtggt gttgtggagt 120
 gtgtggatgt gatacattcc ctagctgtat taaaagtgta actgtaatat cgaaaggcac 180
 actccatcat gccacggggg gcaattcttc cgtccacttg ctcatacgac tcaccatcat 240
 aaaaacaagc a 251

<210> 27647
 <211> 431
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-A10

<400> 27647

gagcagctca agttcgtcat tgtggatctt caaagtgcag aaaaatgcta ggctcaacag 60
 agtattcagg aagctcacag aatcatcgta ccaagaagaa aaagaggaaa acaagttgtg 120
 agaattgcat acagcagttt cttcgtctgt ggcattccacg acaaaaaatg tatgttggat 180
 gttggatagt tgacttcgat caaggaacta aaatgcatac tctccagttc attgatcacc 240
 atactgaaaa gtttgatttg aaagaagaag aatggcactt attggaggtc gactctgatg 300
 aagattgatc atcgaagggt tgtcatggtt tgctgtccag ccagctagtt cgcggttcat 360
 ttgcggtcgc agcatagact gacggatggc caatgctata ccatttggag tctactgcaa 420
 gcctgaattg t 431

<210> 27648
 <211> 426
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-033-Q1-K1-A11

<400> 27648

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 ccaaggagtt tctctaagag ttcagacact aaaatcaact caagctatgg gtgatgccat 120
 gaagggcggtt acaaaggcaa tggctcaaata gaacaggcag ctaaactctgc cagggttgca 180
 gaggataatg caagagtttg agcggcagaa cgagaggatg gagatggtga gcgaagtgat 240

gggagatgcc atagatgatg ctttggagg agatgaggaa gaagaagaaa ctgaggagct 300
 tgtgaatcaa gtacttgatg aaattggcat tgatatcaac caagagcttg ttggagccac 360
 gtcagccgct gttgctcaac ctgcttcagc gggaagggtt gcccaggctg aaagtgtggt 420
 gaatgc 426

<210> 27649
 <211> 400
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-032-Q1-K1-G12
 <400> 27649

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 aacaagagct caaggaatat gcagatggca cgttgactga gattttcatt gaaagagttt 120
 tcgatgagca tgttcgccgg agcaaagttg gaggtggaaa cagtcgtgag atggactttg 180
 aaagctttct tgattttgtt ttggctctag aaaacaaaga taccctgaa ggcttgacat 240
 atttatntag gtgccttgat ctcaatggaa ggggtttcct tacaactgca gatattcata 300
 ctctatntag agacgtacac cagaaatgga ttgaggaag gaactatgag ctttgcatag 360
 aagacgtgag ggatgaaatc tgggacatgg tgaaacccgc 400

<210> 27650
 <211> 315
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-032-Q1-K1-E2
 <400> 27650

cccacgcgtc cgcccacgcg tccgcggtga ggtgatgcca gggcagtggg agttccaagt 60
 cgggccttcc gtgggtatct cttcaggcga ccaggtctgg gtcgctcgct acattcttga 120
 gaggatcacg gagatcgccg gtgtggtggt gacgttcgac ccgaagccga tcccgggcga 180
 ctggaacggc gccggcgcg acaccaacta cagcacggag tcgatgagga aggagggcgg 240
 gtacgaggtg atcaaggcgg ccatcgagaa gctgaagctg cggcacaagg agcacatcgc 300
 ggcctacggc gaggg 315

<210> 27651
<211> 314
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-E4

<400> 27651

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agcaaaactg cgcaaccaga tccagatgct gcaaaacact aacaggcact tggttggtga 120
ctccgtggga aacctgtcac tcaaggagct gaagcagctg gagagccgcc ttgagaaagg 180
catctctaag atcagggcca ggaagagtga gctgctggct gcggagatca gttacatggc 240
caaaagggag actgagcttc agaatgacca catgaccctc aggaccaaga ttgaggaggg 300
agagcaacag ctgc 314

<210> 27652
<211> 268
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-E6

<400> 27652

cccacgcgtc cggcgcagtc ttcattactc acaccaatcg ccacaagag ctctcaggag 60
aggtcttaac cctagctttt gcagctgctg agagaagatg atctacgacg tgtactcccc 120
ccttttccgt tccttctca gccagaatgg ctgctctac aagagggaaa tggaagagca 180
ttaacaaat gagcagatgc ccaaagctaa cgagaacaag cctgtgatta accaatgaat 240
atttacagaa gcttttgtca aagtgcaa 268

<210> 27653
<211> 311
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-E7

<400> 27653

attgaccaa ttggtgcaat cgaccaggcg aagctcacga tttcgaactg gtctggagca 60

gtgtgggaaa atgcagcatc gctggtaggt gaatcagctc ctacagacat gcttcagaag 120
 ttgacatatac tggctatcag acaccataact cagattaagc gtgttgacac cgttcgagca 180
 tacacctttg ggggtgcttta ctgtgctgag gttgacattg agcttccaga ggacttgcca 240
 ctttaaggagg cacacgccat tggagaatct ctccaaatca agattgagga gctacctgaa 300
 gttgagcgag c 311

<210> 27654
 <211> 170
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-032-Q1-K1-E8
 <400> 27654

cccacgcgtc cggcgacggc gcggtggctg caggttgccg ccatggcggg ggcgctggtg 60
 gcggagtgagg cgacggcggc ggcgcctcgg aagcccgtgg acgtgccgtt ccagaagaac 120
 tacgtgccga cgtggggcgca ggaccacatc cactacatcg acggcgggcg 170

<210> 27655
 <211> 348
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-032-Q1-K1-E9
 <400> 27655

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 ggtttcgtgg gtgagcggat cgagatggcg gcgtcggatg ttgagtaccg ctgcttcgtc 120
 ggcggcctcg cctggggccac ggacgaccac tcctccaca acgccttcag cacctacggc 180
 gaggtcctcg agtccaagat tatectcgat cgggagacgc agagggtccc cggttcggc 240
 ttcgtcacct tctccacgga ggaggcgatg cggaacgcca tcgagggcat gaacggcaag 300
 gagctggacg gccgcaacat caccgtcaac gagggccagt cccgcggc 348

<210> 27656
 <211> 275
 <212> DNA
 <213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-F10

<400> 27656

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ctgctacaag catgccgaca ctgcgagaga tggataaaga gggccctgtc gtcgctgagg 120
gcagctgtac atcctgatcc ctagcccgag ccacaacact cttcgacat ggagctgtgc 180
atgtactagg ctgatgcata cgcgaagctg cctgtgtctac cgtcgctct gcacaagttc 240
gtcagctaca agtcgcggtt cgcgcactta ggcgc 275

<210> 27657

<211> 392

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-F11

<400> 27657

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gcgctggtgc acacaccaac tacagcacca agtcgatgag gagtgacggc gggtagcagg 120
tgatcaagaa ggcgatcggc aagctggggc tccggcaccg ggagcacatc gccgcgtacg 180
gggacggcaa cgagcgccgt ctcaccggcc gtcacgagac cgtcgacatc aacaccttcg 240
tctggggcgt cgcgaaccgc ggggcgtcgg tgcgggtggg ccgcgacacc gagaaggaag 300
gcaaaggcta cttcgaggac cggaggcccg cgtccaacat ggacccgtac gtggtgacct 360
cgctgatcgc ggagacaacc atgctgtggg ag 392

<210> 27658

<211> 389

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-F12

<400> 27658

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gccatctcgc gctgctactg cccctgctac tgctggcctc gccggcggcc acgcgcctgg 120
cgtccgccgc ctgcgcgggc gagaagttcc cggcggggcg tgcgtactcg tcgtgcgagg 180

acctgccgaa gctggggcgcg tgcgtgcact ggacgtacga cgcgtccaag agctccctgt 240
 ctgtggcggt cgtagcggcg cccgctgcgg ccggctgggt ggtggcatgg ggcctgaacc 300
 ctacggggcga aggcatggcc ggcgcgcagg ctctgagagc gctggcagcg gccggagccg 360
 ctgatcccggt cgtgcggaca tacaacatc 389

<210> 27659
 <211> 311
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-032-Q1-K1-F2
 <400> 27659

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 agcagaacct gggggccctg ggggtgtcag aacgggacgc gtttctccgt cacggcgccc 180
 atcggcagca gcacgtggg attctatgcg cgggcgggaa ccaggctcgt cgatgctatc 240
 ggtgtttact tgcgtcagat ttaattcgaa taatagcagg ggagctactg ctagctacgt 300
 acctgctcca t 311

<210> 27660
 <211> 312
 <212> DNA
 <213> Zea mays
 <223> Clone ID: LIB3067-032-Q1-K1-F4
 <400> 27660

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 ggtcttttagt gtcatgcata aggtaactaa cagtcattat catgcaaaca tgtggcaagc 120
 catgaaccat ttgaagcgct acttgcttaa tgtctctctt gatcatttgt gttagtggca 180
 tttgtcgacc ttgtttttct gtgcactttc tgccttcatt gcaaaatgtc agttttttta 240
 tctgcattgt cgtctatgac tggttaacat ggttatgttg ggagcacgct ttagcaccta 300
 cgcaacaagg tg 312

<210> 27661

<211> 314
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-032-Q1-K1-F5

 <400> 27661

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 aagaaccagt ggtggaagca ttgataagga atcaatccat agggatgtga catgtgaaac 120
 atctccacag ctgaacctgc ccccaatatt tgcaaagctt tttccaaaac aatctgttcc 180
 agtaaataaa ccatctactc tgcgtactga agatgatcaa cagtcagcag atggggagct 240
 ggtatttgaa ttttttgaat atgaacagcc atactcacgg cgacaattat ttgacaaggt 300
 aaatgagctg attg 314

<210> 27662
 <211> 315
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-032-Q1-K1-F6

 <400> 27662

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 aaacctaggg cgagcgcctc gacgactcct atcaccccat ggcggccttc gctacgggca 120
 gcaccacagc gcgcgcgacg ctggcatcgc cgacttcgtg ccagccggcc gcgcgccggg 180
 cgccggcccc atggatgccg ctgcgctgct cgctgcggc cctgggcctc aggggaggag 240
 cgcgttctcg gcggagcgcc acgctacggg tggaagctaa gaagcaaact ttttcttcat 300
 ttgatgagtt gctgg 315

<210> 27663
 <211> 305
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-032-Q1-K1-F7

 <400> 27663

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aaatccttgt gaatattgtg atgtgggttac cacaaccacg cacaagtccc tcagagggcc 120
aagggctggc atgatcttct acaggaaagg ccctaagccc cccaagaagg gccagcctga 180
gggtgctgtt tatgattacg aagacaagat caactttgca gtgttcccat ctctccaagg 240
tggccctcac aaccaccaga ttgctgcact tgctgctgct ctacagcaaa ctatgtcgac 300
tggct 305

<210> 27664
<211> 313
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-F8

<400> 27664

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tcgacggggc tggagcagaa gcagatcaac aactgggttca tcaaccagcg gaagcggcac 120
tggaagccgt ctgaggagat gcagctcgcg gtgatggatg ggttccaccg ggtcaccgtc 180
aacgccgtcg cgttctacgt cgacgcacgc ctagtgggag caacgccggc gatgttctac 240
gcccggccag atcatggggc tcatcatggt ctctggcaca atagattcag cccactcacg 300
ctaccatgaa gta 313

<210> 27665
<211> 80
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-F9

<400> 27665

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aagatggggtt ttaagccaaa 80

<210> 27666
<211> 262
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-G1

<400> 27666

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ctatttaact aactaactaa ctggctagct agctcgatcg gcagagcaaa gcgaaagcag 120
caagaagcaa agcaatggag aaccctgcga gtgtgctagt tctaccagcg caagtcaaca 180
aacttaactt tcgaaaactg tacattcggc gggcccggcc cggccacaag gagattaccc 240
aagaaggcaa gttccaactg ga 262

<210> 27667

<211> 380

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-G10

<400> 27667

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cggagattgc ggagctgaga acaccctgaa gcccgagat gtcattccagt gccgagaatg 180
tggctaccga atactctaca tgaagcggac cctgcggatt gtccaatatg aagcgcgctg 240
aagagtgaag acaagggtaa aactgaaga tggatgatct attactcgcc acattaccta 300
tgtatacagt cttttggtgg aaatgaaaat gtgagacaac gtttgcatgt cctgtgcctg 360
ctctgaacct gagctggata 380

<210> 27668

<211> 430

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-E12

<400> 27668

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gacgccaaca aattatccaa gtgtgttcaa attgcacgac tctatttaga ggatgatgat 120
gcagtgaatg ctgaggcttt tataaacaag gttcatttt tggtcaccaa cagccatcag 180
gaggttctaa acttacagta caaggtctgt tatgcaagga ttttggatct gaaaagaaga 240

tttctggaag ctgcacttcg atattatgac atttctcaaa ttgaacaacg caagattgga 300
gacgaagaga ttgatgaaaa tgcacttgag caagctctta gtgctgctgt gacatgcaca 360
atattggctg gttgctgtcc acaacgcttc cgtgttcttg ctactctgta caaagatgaa 420
agatgctcga 430

<210> 27669
<211> 361
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-032-Q1-K1-G11
<400> 27669

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ctggggaatg ggaaccacac ctcggaataa gggaatggag atgccgagga caaaggtttt 120
caaacctacg aggattacag gttctatgcc atttcagccg aataccctga gttcagcaac 180
aaggataaga ccctgggtgct gcagttctct gtgaagcacg agcagaagct tgactgcggc 240
gggtggctacg tcaaattgct ggggtggtgat gtagaccaga agaaatttgg tggagacaca 300
tcttacagca ttatgttttg accagatata tgtgggtaca gcaccaagaa ggttcacact 360
a 361

<210> 27670
<211> 311
<212> DNA
<213> Zea mays
<223> Clone ID: LIB3067-032-Q1-K1-C7
<400> 27670

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ccaggtggcc gagcctgcac ttaatccaaa ggaggaagtt ctgaacgggg aggtttgtaa 180
ctcgctaagt gatgtggaga agcctgttgc tgaggaaacg ccggttcctg atgtcataaa 240
tgaagtgcc aataatgttg cagtggctcc accaatttca tcccctgctg taccattgaa 300
ggaggcacca a 311

<210> 27671
 <211> 316
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-032-Q1-K1-C8

 <400> 27671

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 agttgtcat gatgcacaac aggacctact gcgctgaaat tgctcacaac gtgtccacca 180
 agaagcgcaa ggagatcgtg gagcgtgctg cacagctcga cattgtggtc accaacaagc 240
 ttgctaggct ccgcagccag gaggacgagt agtctggttt cttgtcttaa cgacgaactg 300
 gatgttgcca ttcctt 316

<210> 27672
 <211> 383
 <212> DNA
 <213> Zea mays

 <223> unsure at all n locations
 <223> Clone ID: LIB3067-032-Q1-K1-C9

 <400> 27672

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 ccggtattcg ccggcgcggt agcgagagcg agagatggac tggaggatgt tcggtctcga 120
 gacccccctg atggtggcgc tgcagcacct tctggacgtg cccgacggcg acgcccggcg 180
 gggctgcgac aaggcgagtg gtgccgcggc gggcgggcggg cccacgcgca cctacgtccg 240
 cgacgcgcgc gccatggcgg ccaccccggc cgacgtcaag gagctcccgg gcgcgtacgc 300
 gttegtggtg gacatgccgg ggctgggcac gggcgacatc aaggtgcang ttgaggacga 360
 gcgggtgctg gtgatcagcg gcg 383

<210> 27673
 <211> 302
 <212> DNA
 <213> Zea mays

 <223> Clone ID: LIB3067-032-Q1-K1-D1

<400> 27673

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ggctctgggt caagtatact tggcataaga cggatacctc ccgattcagg acagtcaaatt 120

gcatcttatc atgacgactg cacagcggcc cctgcagcaa acagcagttc aagggttgccg 180

aacggctgtg attcggaagc tcaatttccc aaagagttga tatcatcctg cgttgctatg 240

atgcttatga taaagaactg cacggagaag cagtatcacc ctgctgaagt cgcgcacatt 300

ct 302

<210> 27674

<211> 429

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D10

<400> 27674

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tttgagtacc acaagaaagc aattacatct atcgagtgga gtccacatga agcatcatca 120

ttagctgtaa catctgaaga tcatcaacta acaatctggg acctttcact ggaaagagat 180

gcggaggagg aggctgagtt cagagcaaag atgaaggagc aggcaaacgc acctgaagat 240

ttgccccac aacttctctt tgctcatcag ggccagagag acttgaaaga actgcactgg 300

caccacaga taccgtcgat gatcatatca acggcaattg atggcttcaa cgtgttgatg 360

cctagcaaca ttgatacaac cattcctggc agcactgatg cagcaatgcc atctgctgag 420

ccacagcac 429

<210> 27675

<211> 412

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-032-Q1-K1-D11

<400> 27675

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angaggagat atttgggcct gtgcagtcga tcctcaagtt caaagacctc aatgaggtta 120
tcaagagggc aaacgcgagc cagtatggat tggccgccgg cgtgttcacc aacagcctgg 180
acacgggtcaa caccctgacg cgcgcgctca gggccgggac cgtctgggtg aactgcttcg 240
acgtcttcga tgctgcgatt ccgtttggcg ggtacaagat gagcggcatg gggagggaga 300
aaggcgttga cagcctgaag aactacctgc aggtgaaagc tgtcgtcacc ccaatcaaga 360
acgccgcgtg gttgtagacg ctgcaagtgt ggccttgtgc acgagaacca cg 412

<210> 27676
<211> 349
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D12

<400> 27676

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caagacggca tgaatatcgc agaggaggag atatatgagc ctgtgcagtc gttcctcatg 120
ttcaaagacc tcaatgaggt catcaagagg gccatctcga gccagtatgg attgaccgtc 180
ggcgtgttca ccaacagcct gtacacgggc aacaccctga ctctctcgtt cattgccggc 240
accgtctgtc tgaactgctt atacgtcttc gatgctgcta ttccgtttgg cgggtacaag 300
ataagcgaca tagctaggca gaaaggcatt gacagcctga agaactacc 349

<210> 27677
<211> 319
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D2

<400> 27677

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ccttggcgct gccatcatct acaacaggga tcacgcctgg aacgaccatt ggatcttctg 180
ggtcggcccc ttcattggcg ctgccctggc tgccatctac caccagggtg tcatcagagc 240
catcccgctt aagagcaggt cttaagctgc cgtggccgtg ccgagacatg ccagtccgaa 300

gaacgggcgt cttcctgtg

319

<210> 27678

<211> 315

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D3

<400> 27678

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tgatttgtca agaaatccgg aaatgcatag caagcgatac ccacatgaag attatgattt 120

tgtgacaccc aggagcagta ggtacgattc gtcagcccat catccttcaa catactacga 180

agacgatcca ccagtgtctg agtcaagggt tagaagatat gctgaagaaa ggtccaccat 240

tgtaagaagc ccagaaccac gtccgcgata tgacgaaaca gacataagaa taaaccaga 300

accaagatta ccata 315

<210> 27679

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D4

<400> 27679

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gctgcggcta cggtggtggc cgtggaggcg gcggctacgg cggtgggcgg cgccgtgatg 180

gcggctgcgg ctacggcggt ggcggctgcg gctactgtgg cggcgggtggc tactgtggtg 240

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<210> 27680

<211> 311

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D5

<400> 27680

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cttcttcgac atgaccgtcg gcggcgcccc ggcggggcgg atcgtgatgg agctgtacgc 120

caacgaggtg cccaagaccg cggagaactt ccgcgcgctg tgcacgggcg agaagggcgt 180

gggcaagtcc gggaagccgc tccactacaa gggctccacc ttccaccgcg tcatccccga 240

gttcatgtgc cagggcgggc acttcacccg cggcaacggc accggcgggc agtccatcta 300

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<210> 27681

<211> 316

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D6

<400> 27681

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gtgcacgtgg ccgtgccgcc gggcgtgcct gtcaccaccg aatactaccc ggaggcgtgg 120

cggtgcaagt gcggcaaccg gctctacatg ccatgaccat gagcgagcaa ggaggcggcc 180

agccggtgaa gaatctctcg agagcgccgg ccgctggggc cggcgctgca ttattgcgcc 240

gggccgggtg cctctcgctt gcgcgcggtg tcgtcgtggt cctcgccgcg cgcattggcg 300

ggatctgcgc tctgca 316

<210> 27682

<211> 305

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D7

<400> 27682

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atggcgccgg tggatcatgat gagcatgtgc gtcgtcgtgt cgctggtggc ggtgcagctg 120

caggccacga gcagcgacgg cgccacggtc acaccgtccg tggtgctgcc gccgatgacg 180

gtgccccgtg tgcgcgggtc gttggaggcc ggtcgtaagc tgcaggccgt cgacgccgtc 240

gggatgggca tggactccgt ggtgcgtcgg acggtggtgc tcaccacgat gcagacgagc 300
aactc 305

<210> 27683
<211> 242
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D8

<400> 27683

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ctgctcacia acagctactg taccactgtc acatccttcg acctgatacc gaaattgaca 180
actccacgta cgctcggtcg agagtgcacg caaactacag cacagaagaa actacgccgc 240
ct 242

<210> 27684
<211> 405
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-D9

<400> 27684

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tctgatgtaa atagattatt cagggtttttt ttcccctttg agcaacaccc cggaggcgct 120
atggcagcta tttgtgcagt gatcagctaa gcacctattg ctgtattatt tgtttggtgc 180
agcagagttg aatgtgcatt cttcgcctta tggaggagga atttatacag tgtgggggtg 240
ccttccccctg cactttggca ggtagtgaa gtgtgcccta gaggaaagtg gcatgtttga 300
gagcaatgag attgcagggg gctaaaatcc ctttgttat ttaaaattaa atagaagagg 360
aatttatcct ctcgatccc ctcaattccc tgtatcccaa acaaa 405

<210> 27685
<211> 315
<212> DNA
<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-E1

<400> 27685

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tggaatgctt atgcttatga tgctcaaatt gctgggttat tctattcaat atatgttact 120
tcagctggat tccaggtttc tttaggtggt tacaatgaca agatgagagt tctcttaaat 180
gccatactag tgcaaattgt gaaatttgaa gttaagccaa acagattttc tgcactgaag 240
gaaacttctg tcaaggacta ccagaatttc aatttccgac aaccttattc tcaagcgtca 300
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<210> 27686

<211> 122

<212> DNA

<213> Zea mays

<223> Clone ID: LIB3067-032-Q1-K1-E10

<400> 27686

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aaaaaaagaa taaaaaataa agaaataaaa aaaaaaaaaa taaaaataac aataacttaaa 120
ta 122

<210> 27687

<211> 430

<212> DNA

<213> Zea mays

<223> unsure at all n locations

<223> Clone ID: LIB3067-032-Q1-K1-E11

<400> 27687

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tggcagaact aagacaactg ttctgttgc cccatcattt gtgtgtgcta accgtgctga 180
caagaggaag gagttctaca caaaattaga ggagaaacat aaagctttgg aagcagagaa 240
ggacgaggct gaggccagga aaaaggaaga gcaagacgtt gctataaagc aactaaggaa 300
gtcattgggtg attagagcga aacccatgcc aagcttctat caagaaggcc cccacacaaa 360